

Purified anti-mouse CD45 Antibody

Catalog# / Size	103101 / 50 µg 103102 / 500 µg
Clone	30-F11
Regulatory Status	RUO
Other Names	T200, Ly-5, LCA
Isotype	Rat IgG2b, κ
Description	CD45 is a 180-240 kD glycoprotein also known as the leukocyte common antigen (LCA), T200, or Ly-5. It is a member of the protein tyrosine phosphatase (PTP) family, expressed on all hematopoietic cells except mature erythrocytes and platelets. There are different isoforms of CD45 that arise from variable splicing of exons 4, 5, and 6, which encode A, B, and C determinants, respectively. CD45 plays a key role in TCR and BCR signal transduction. These isoforms are very specific to the activation and maturation state of the cell as well as cell type. The primary ligands for CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy-1.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse thymus or spleen
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested IHC-F, CyTOF® - Verified IP, CMCD, IHC, WB - Reported in the literature, not verified in house
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per 10 ⁶ cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Clone 30-F11 reacts with all isoforms and both CD45.1 and CD45.2 alloantigens of CD45. Additional reported applications (for relevant formats) include: immunoprecipitation ³ , complement-dependent cytotoxicity ^{1,5} , immunohistochemistry (acetone-fixed frozen sections, zinc-fixed paraffin-embedded sections and formalin-fixed paraffin-embedded sections) ^{4,6} , Western blotting ⁷ , and spatial biology (IBEX) ^{10,11} . The Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 103163 and 103164).
Application References	<ol style="list-style-type: none"> 1. Podd BS, <i>et al.</i> 2006. <i>J. Immunol.</i> 176:6532. (FC, CMCD) PubMed 2. Haynes NM, <i>et al.</i> 2007. <i>J. Immunol.</i> 179:5099. (FC) 3. Ledbetter JA, <i>et al.</i> 1979. <i>Immunol. Rev.</i> 47:63. (IP) 4. Simon DI, <i>et al.</i> 2000. <i>J. Clin. Invest.</i> 105:293. (IHC) 5. Seaman WE. 1983. <i>J. Immunol.</i> 130:1713. (CMCD) 6. Cornet A, <i>et al.</i> 2001. <i>P. Natl. Acad. Sci. USA</i> 98:13306. (IHC) 7. Tsuboi S and Fukuda M. 1998. <i>J. Biol. Chem.</i> 273:30680. (WB) PubMed 8. Liu F, <i>et al.</i> 2012. <i>Blood.</i> 119:3295. PubMed 9. Pelletier AN, <i>et al.</i> 2012. <i>J. Immunol.</i> 188:5561. PubMed 10. Radtke AJ, <i>et al.</i> 2020. <i>Proc Natl Acad Sci U S A.</i> 117:33455-65. (SB) PubMed 11. Radtke AJ, <i>et al.</i> 2022. <i>Nat Protoc.</i> 17:378-401. (SB) PubMed
(PubMed link indicates BioLegend citation)	

Product Citations

1. Hernández-Santana YE, *et al.* 2020. Life Sci Alliance. 3:00. [PubMed](#)
2. Claveria-Cabello A, *et al.* 2020. Cancers (Basel). 12:00. [PubMed](#)
3. Davies M, *et al.* 2017. PLoS Pathogens. 13(6):e1006435. [PubMed](#)
4. Axelrod HD, *et al.* 2019. Mol Cancer Res. 17:356. [PubMed](#)
5. Schneider H, *et al.* 2017. J Neurochem. 140:170. [PubMed](#)
6. Shafer MER, *et al.* 2017. Stem Cell Reports. 1.040277778. [PubMed](#)
7. Arnold IC, *et al.* 2019. PLoS Pathog. 15:e1007866. [PubMed](#)
8. Wolf Y, *et al.* 2017. J Exp Med. 214:905. [PubMed](#)
9. Hutton C, *et al.* 2021. Cancer Cell. 39:1227. [PubMed](#)
10. Blomberg E, *et al.* 2022. Neurooncol Adv. 4:vdac148. [PubMed](#)
11. Murai K, *et al.* 2022. Nat Commun. 13:6206. [PubMed](#)
12. Reglero-Real N, *et al.* 2021. Immunity. .: [PubMed](#)
13. Chamberlin T, *et al.* 2020. Cancer Research. 80(20):4465-4475. [PubMed](#)
14. Li X, *et al.* 2020. Cell Rep. 31:107765. [PubMed](#)
15. Vitiello GA, *et al.* 2018. Clin Cancer Res. 24:972. [PubMed](#)
16. Rothchild AC, *et al.* 2019. Sci Immunol. 4:eaaw6693. [PubMed](#)
17. Widjaja AA, *et al.* 2019. Gastroenterology. 157:777. [PubMed](#)
18. Kondo H, *et al.* 2020. J Biol Chem. 295:1658. [PubMed](#)
19. Fernandes V, *et al.* 2020. PLoS Pathog. 16:e1008464. [PubMed](#)
20. Nguyen R, *et al.* 2021. Cancer Immunol Immunother. 70:721. [PubMed](#)
21. Wan Mohd Zawawi WFA, *et al.* 2021. Sci Rep. 11:10278. [PubMed](#)
22. Maestro S, *et al.* 2021. Viruses. 13: . [PubMed](#)
23. Moon H *et al.* 2017. Cell stem cell. 21(5):665-678 . [PubMed](#)
24. Rieck M, *et al.* 2017. Eur J Immunol. 47:677. [PubMed](#)
25. Ajona D, *et al.* 2017. Cancer Discov. 0.773611111. [PubMed](#)
26. Goel S, *et al.* 2017. Nature. 548:471. [PubMed](#)
27. Wang W, *et al.* 2018. Cancer Cell. 34:757. [PubMed](#)
28. Paulo E, *et al.* 2018. Sci Rep. 8:11001. [PubMed](#)
29. Arnold IC, *et al.* 2018. J Exp Med. 215:2055. [PubMed](#)
30. Heinrich A, *et al.* 2021. Cell Rep. 37:109885. [PubMed](#)
31. Cooper STE, *et al.* 2022. Int J Mol Sci. 23: . [PubMed](#)
32. Deppermann C, *et al.* 2020. J Exp Med. 217: . [PubMed](#)
33. Liu X, *et al.* 2020. Nature. . [PubMed](#)
34. Altshuler A, *et al.* 2021. Cell Stem Cell. 28(7):1248-1261.e8. [PubMed](#)
35. Parlanti P, *et al.* 2020. Exp Eye Res. 194:107998. [PubMed](#)
36. Lee S, *et al.* 2020. Cell Host & Microbe. 27(6):937-949. [PubMed](#)
37. Thulasingham S, *et al.* 2019. Int J Mol Sci. 20. [PubMed](#)
38. Gao J, *et al.* 2017. Oncol Lett. 14:2954. [PubMed](#)
39. Starossom SC, *et al.* 2019. Nat Commun. 10:217. [PubMed](#)
40. Dertschnig S, *et al.* 2020. J Clin Invest. 130:1896. [PubMed](#)
41. Gao H, *et al.* 2021. J Virol. .: [PubMed](#)
42. Dienz O, *et al.* 2020. J Immunol. 204:1521. [PubMed](#)
43. Karhadkar TR, *et al.* 2021. J Pharmacol Exp Ther. 376:106. [PubMed](#)
44. Schafflick D, *et al.* 2020. Nat Commun. 247:11. [PubMed](#)
45. Zabaleta N, *et al.* 2018. Nat Commun. 9:5454. [PubMed](#)
46. Zhu F, *et al.* 2019. J Immunol. 203:2644. [PubMed](#)
47. Li Y *et al.* 2019. Endocrinology. 160(4):938-946 . [PubMed](#)
48. Murad JP, *et al.* 2018. Front Immunol. 1.95. [PubMed](#)
49. Go DM, *et al.* 2021. Cell Mol Gastroenterol Hepatol. 12:715. [PubMed](#)
50. Wang G, *et al.* 2021. Nat Commun. 12:5733. [PubMed](#)
51. Quintana E, *et al.* 2020. Cancer Res. 80:2889. [PubMed](#)
52. Stefanescu C, *et al.* 2021. Front Oncol. 11:765151. [PubMed](#)
53. Paprckova D, *et al.* 2022. Front Immunol. 13:1009198. [PubMed](#)
54. Podd B, *et al.* 2006. J Immunol. 176:6532. [PubMed](#)
55. Hitchcock JR, *et al.* 2020. FEBS J. 287:250. [PubMed](#)
56. McLeod RL, *et al.* 2018. Oncotarget. 9:34459. [PubMed](#)
57. Sutton C, *et al.* 2017. Nat Commun.. 10.1038/s41467-017-02111-0. [PubMed](#)
58. Janghorban M, *et al.* 2022. Cancer Res. 82:885. [PubMed](#)
59. Jackson JW, *et al.* 2021. Mol Ther Oncolytics. 22:444. [PubMed](#)
60. Mayer KA, *et al.* 2021. FASEB J. 35:e21217. [PubMed](#)
61. Delgobo M, *et al.* 2021. Front Immunol. 12:584538. [PubMed](#)
62. Baraibar-Churio A, *et al.* 2021. Life (Basel). 11: . [PubMed](#)
63. Nam J, *et al.* 2021. Front Cell Neurosci. 15:640084. [PubMed](#)
64. Park S, *et al.* 2021. Nat Cell Biol. 23:476. [PubMed](#)
65. Hagan AS, *et al.* 2020. Development. 147:00:00. [PubMed](#)
66. Rhee S, *et al.* 2018. Nat Commun. 9:368. [PubMed](#)
67. Finn J *et al.* 2019. Cell reports. 26(11):2942-2954 . [PubMed](#)
68. Nolin JD, *et al.* 2017. JCI Insight. 2:e94929. [PubMed](#)
69. Fiege JK, *et al.* 2019. PLoS Pathog. 15:e1008077. [PubMed](#)
70. Silvestre-Roig C, *et al.* 2019. Nature. 569:236. [PubMed](#)
71. Melchor SJ, *et al.* 2020. Sci Rep. 10:15724. [PubMed](#)
72. O'Dea KP, *et al.* 2020. J Extracell Vesicles. 9:1706708. [PubMed](#)
73. Baluk P, *et al.* 2020. Am J Pathol. 190:2355. [PubMed](#)
74. Suzuki Y, *et al.* 2021. FEBS Open Bio. 11:2619. [PubMed](#)
75. Gil-Melgosa L, *et al.* 2021. Biomedicine. 10: . [PubMed](#)
76. Karhadkar TR, *et al.* 2021. PLoS One. 16:e0245924. [PubMed](#)
77. Gereke M, *et al.* 2012. J Vis Exp. 70: 4322. [PubMed](#)
78. Seelige R, *et al.* 2018. Sci Rep. 8:13670. [PubMed](#)

79. Yoshihara S, *et al.* 2019. Front Immunol. 0.545833333. [PubMed](#)
80. Mrdjen D *et al.* 2018. Immunity. 48(2):380-395 . [PubMed](#)
81. He LD, *et al.* 2021. EMBO Rep. 22:e52196. [PubMed](#)
82. Yim AKY, *et al.* 2022. Nat Neurosci. 25:238. [PubMed](#)
83. Singh PP, *et al.* 2021. Ocul Surf. 21:271. [PubMed](#)
84. Cassidy BR, *et al.* 2020. J Neuroinflammation. 17:259. [PubMed](#)
85. Fu H, *et al.* 2020. Front Immunol. 11:595813. [PubMed](#)
86. Peralta Ramos JM, *et al.* 2017. Front Immunol. 1.490277778. [PubMed](#)
87. Ito S, *et al.* 2020. PLoS One. 15:e0229888. [PubMed](#)
88. Latasa M, *et al.* 2010. PLoS One. 5:e15690. [PubMed](#)
89. Progzatky F, *et al.* 2021. Nature. 599:125. [PubMed](#)
90. Bruno KA, *et al.* 2021. Int J Mol Sci. 22:. [PubMed](#)
91. Crawford LB, *et al.* 2020. Microorganisms. 8:. [PubMed](#)
92. Liu H, *et al.* 2020. J Immunol. 205:1207. [PubMed](#)
93. Shokirova H, *et al.* 2021. Sci Rep. 11:8647. [PubMed](#)
94. Brown IK, *et al.* 2021. PLoS Pathog. 17:e1009602. [PubMed](#)
95. Kenswil KJG, *et al.* 2021. Cell Stem Cell. 28(4):653-670.e11. [PubMed](#)
96. Zareie P, *et al.* 2017. J Neuroinflammation. 0.630555556. [PubMed](#)
97. Qiu X, *et al.* 2018. Lab Chip. 18:2776. [PubMed](#)
98. Tsubaki T, *et al.* 2018. Oncotarget. 9:11209. [PubMed](#)
99. Hoves S, *et al.* 2018. J Exp Med. 215:859. [PubMed](#)
100. Vu LT, *et al.* 2019. J Extracell Vesicles. 8:1599680. [PubMed](#)
101. Jones KB *et al.* 2018. Cell stem cell. 24(1):183-192 . [PubMed](#)
102. Zhong L, *et al.* 2022. JCI Insight. 7:. [PubMed](#)
103. Nikolaou K, *et al.* 2014. EMBO J. 34:430. [PubMed](#)
104. Murai K *et al.* 2018. Cell stem cell. 23(5):687-699 . [PubMed](#)
105. Morita S *et al.* 2017. Cell metabolism. 25(4):883-897 . [PubMed](#)
106. Sheppard S, *et al.* 2018. Front Immunol. 1.630555556. [PubMed](#)
107. Davies CL, *et al.* 2019. Front Immunol. 10:1048. [PubMed](#)
108. Paharik AE, *et al.* 2017. Cell Host Microbe. 22:746. [PubMed](#)
109. Johnson SA, *et al.* 2021. Eur J Immunol. 51:3228. [PubMed](#)
110. Schuler CF, *et al.* 2020. Allergy. 75:2279. [PubMed](#)
111. Yoon S, *et al.* 2020. Antioxidants (Basel). 10:. [PubMed](#)
112. Hashimoto M, *et al.* 2021. J Neurochem. 156:834. [PubMed](#)
113. Tao H, *et al.* 2021. Front Immunol. 12:623280. [PubMed](#)
114. Scur M, *et al.* 2022. Nat Commun. 13:7272. [PubMed](#)
115. Karhadkar TR, *et al.* 2020. bioRxiv. . [PubMed](#)
116. Chen Q, *et al.* 2021. STAR Protocols. 2(1):100241. [PubMed](#)
117. Matsuo K, *et al.* 2018. J Invest Dermatol. 138:1764. [PubMed](#)
118. Bar O, *et al.* 2020. Fluids Barriers CNS. 17:27. [PubMed](#)
119. Langer V, *et al.* 2019. J Clin Invest. 129:4691. [PubMed](#)
120. Poulos MG, *et al.* 2017. J Clin Invest. 127:4163. [PubMed](#)
121. Janela B, *et al.* 2019. Immunity. 50:1069. [PubMed](#)
122. Lopes N, *et al.* 2021. Nat Immunol. 22:179. [PubMed](#)
123. Perdigoto AL, *et al.* 2022. JCI Insight. 7:. [PubMed](#)
124. Ejima R, *et al.* 2021. Nutrients. 13:. [PubMed](#)
125. Hu CF, *et al.* 2021. Front Immunol. 12:638381. [PubMed](#)
126. Prizant H, *et al.* 2021. Cell Reports. 36(6):109523. [PubMed](#)
127. Yu W, *et al.* 2020. J Clin Invest. . [PubMed](#)
128. Baluk P, *et al.* 2018. Methods Mol Biol. 1846:161. [PubMed](#)
129. Fino KK, *et al.* 2017. Sci Rep. 5.334722222. [PubMed](#)
130. Mensurado S, *et al.* 2018. PLoS Biol. 16:e2004990. [PubMed](#)
131. Geng T, *et al.* 2021. J Infect Dis. 223:2186. [PubMed](#)
132. Ishigaki K, *et al.* 2021. Sci Rep. 11:13958. [PubMed](#)
133. Tsukui H, *et al.* 2020. BMC Cancer. 20:411. [PubMed](#)
134. Somasundaram R, *et al.* 2021. Blood. 137:3037. [PubMed](#)
135. Kim D, *et al.* 2019. Immune Netw. 19:e32. [PubMed](#)
136. Chen X, *et al.* 2019. Methods Mol Biol. 2048:131. [PubMed](#)
137. Nagatake T, *et al.* 2018. J Allergy Clin Immunol. 142:470. [PubMed](#)
138. Moon H, *et al.* 2019. Nat Commun. 10:2225. [PubMed](#)
139. Wang Z, *et al.* 2021. Drug Discov Ther. 14:304. [PubMed](#)
140. Levy BD, *et al.* 2020. J Allergy Clin Immunol. 145:335. [PubMed](#)
141. Seo SU, *et al.* 2021. Front Immunol. 12:697162. [PubMed](#)
142. Cha J, *et al.* 2015. J Biol Chem. 290:15337. [PubMed](#)
143. Mori Y, *et al.* 2021. Diabetes and Vascular Disease Research. 18(3):14791641211027324. [PubMed](#)
144. Roussey JA, *et al.* 2017. J Immunol. 199:3535. [PubMed](#)
145. Tamburini BAJ, *et al.* 2019. Front Immunol. 10:1036. [PubMed](#)
146. Dora D, *et al.* 2021. Cell Mol Gastroenterol Hepatol. 12:1617. [PubMed](#)
147. Fahy N, *et al.* 2021. Front Immunol. 12:715267. [PubMed](#)
148. Brownlie D, *et al.* 2021. J Immunother Cancer. 9:. [PubMed](#)
149. Rincón E, *et al.* 2017. Oncotarget. 8:45415. [PubMed](#)
150. Deng W *et al.* 2019. Cell reports. 27(6):1755-1768 . [PubMed](#)
151. Van Der Zande HJP, *et al.* 2021. FASEB J. 35:e21331. [PubMed](#)
152. Penny HL, *et al.* 2021. Int J Mol Sci. 22:. [PubMed](#)
153. DeFalco T, *et al.* 2014. Proc Natl Acad Sci U S A. 111:2384. [PubMed](#)
154. Li Y, *et al.* 2020. Elife. 9:00. [PubMed](#)
155. Chao Y, *et al.* 2020. Sci Adv. 6:eaaz4204. [PubMed](#)
156. Lee YJ, *et al.* 2018. Front Microbiol. 9:83. [PubMed](#)
157. Heinrich A, *et al.* 2020. Cell Rep. 31:107513. [PubMed](#)

158. Parodi B, *et al.* 2021. *Front Immunol.* 12:655212. [PubMed](#)
159. Mohrin M, *et al.* 2021. *Aging Cell.* 20:e13313. [PubMed](#)
160. Cané S, *et al.* 2021. *J Immunother Cancer.* 9:. [PubMed](#)
161. Udumula MP, *et al.* 2021. *Mol Metab.* 53:101272. [PubMed](#)
162. Aikawa S, *et al.* 2020. *Cell Death Differ.* 1489:27. [PubMed](#)
163. Diao J, *et al.* 2018. *J Immunol.* 201:1306. [PubMed](#)
164. Pushalkar S, *et al.* 2018. *Cancer Discov.* 0.613194444. [PubMed](#)
165. Burton OT, *et al.* 2018. *Clin Exp Allergy.* 48:288. [PubMed](#)
166. Stokes KL, *et al.* 2019. *Oncogenesis.* 8:24. [PubMed](#)
167. Krenzlín H, *et al.* 2019. *J Clin Invest.* 130:1671. [PubMed](#)
168. Winter C, *et al.* 2018. *Cell Metab.* 28:175. [PubMed](#)
169. Huppé CA, *et al.* 2018. *Mucosal Immunol.* 0.536111111. [PubMed](#)
170. Van Winkle JA, *et al.* 2020. *J Virol.* 94:. [PubMed](#)
171. Maier B, *et al.* 2020. *Nature.* 580:257. [PubMed](#)
172. Wang J, *et al.* 2021. *Am J Cancer Res.* 11:2005. [PubMed](#)
173. Kästle M, *et al.* 2020. *Cell Commun Signal.* 183:18. [PubMed](#)
174. Bernard S, *et al.* 2018. *J Mammary Gland Biol Neoplasia.* 23:249. [PubMed](#)
175. Leist SR, *et al.* 2019. *PLoS One.* 14:e0220126. [PubMed](#)
176. Zhang J, *et al.* 2019. *Onco Targets Ther.* 12:4985. [PubMed](#)
177. Hassel C, *et al.* 2021. *Front Immunol.* 12:754661. [PubMed](#)
178. Obst J, *et al.* 2020. *Front Immunol.* 11:579000. [PubMed](#)
179. Dubik M, *et al.* 2021. *Front Neurosci.* 15:682451. [PubMed](#)
180. Shao Y, *et al.* 2017. *Onco Targets Ther.* 10:2675. [PubMed](#)
181. He X, *et al.* 2017. *Cancer Biol Ther.* 0.815277778. [PubMed](#)
182. Haber AL, *et al.* 2017. *Nature.* 551:333. [PubMed](#)
183. Emrick JJ, *et al.* 2018. *Proc Natl Acad Sci U S A.* 115:E12091. [PubMed](#)
184. Seehus CR, *et al.* 2017. *Nat Commun.* 8:1900. [PubMed](#)
185. Cédile O, Włodarczyk A, and Owens T 2017. *APMIS.* 10.1111/apm.12740. [PubMed](#)
186. Wilke JBH, *et al.* 2021. *Mol Psychiatry.* 26:7746. [PubMed](#)
187. Umeda M, *et al.* 2021. *Proc Natl Acad Sci U S A.* 118:. [PubMed](#)
188. Kästele V, *et al.* 2021. *Mucosal Immunol.* 14:717. [PubMed](#)

RRID AB_312966 (BioLegend Cat. No. 103101)
 AB_312967 (BioLegend Cat. No. 103102)

Antigen Details

Structure	Protein tyrosine phosphatase (PTP) family, 180-240 kD
Distribution	All hematopoietic cells except mature erythrocytes and platelets
Function	Phosphatase, T and B cell activation
Ligand/Receptor	Galectin-1, CD2, CD3, CD4, TCR, CD22, Thy-1
Cell Type	B cells, Dendritic cells, Mesenchymal Stem Cells, Tregs
Biology Area	Cell Biology, Immunology, Inhibitory Molecules, Innate Immunity, Neuroscience, Neuroscience Cell Markers, Stem Cells
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Barclay A, <i>et al.</i> 1997. <i>The Leukocyte Antigen FactsBook</i> Academic Press. 2. Trowbridge IS, <i>et al.</i> 1993. <i>Annu. Rev. Immunol.</i> 12:85. 3. Kishihara K, <i>et al.</i> 1993. <i>Cell</i> 74:143. 4. Pulido R, <i>et al.</i> 1988. <i>J. Immunol.</i> 140:3851.
Gene ID	19264

Related Protocols

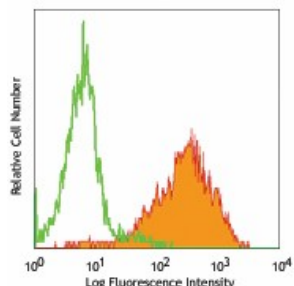
[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

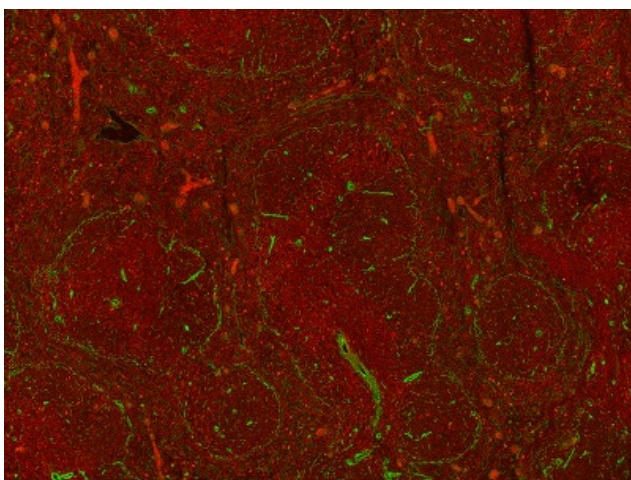
APC anti-mouse CD45, Biotin anti-mouse CD45, FITC anti-mouse CD45, PE anti-mouse CD45, PE/Cyanine5 anti-mouse CD45, Purified anti-mouse CD45, PE/Cyanine7 anti-mouse CD45, APC/Cyanine7 anti-mouse CD45, Alexa Fluor® 488 anti-mouse CD45, Alexa Fluor® 647 anti-mouse CD45, Pacific Blue™ anti-mouse CD45, Alexa Fluor® 700 anti-mouse CD45, PerCP/Cyanine5.5 anti-

mouse CD45, PerCP anti-mouse CD45, Alexa Fluor® 594 anti-mouse CD45, Brilliant Violet 421™ anti-mouse CD45, Brilliant Violet 570™ anti-mouse CD45, Brilliant Violet 510™ anti-mouse CD45, Brilliant Violet 605™ anti-mouse CD45, Purified anti-mouse CD45 (Maxpar® Ready), PE/Dazzle™ 594 anti-mouse CD45, Brilliant Violet 711™ anti-mouse CD45, Brilliant Violet 785™ anti-mouse CD45, Brilliant Violet 650™ anti-mouse CD45, APC/Fire™ 750 anti-mouse CD45, Brilliant Violet 750™ anti-mouse CD45, TotalSeq™-A0096 anti-mouse CD45, TotalSeq™-B0096 anti-mouse CD45, Ultra-LEAF™ Purified anti-mouse CD45, Spark Blue™ 550 anti-mouse CD45, Spark NIR™ 685 anti-mouse CD45, TotalSeq™-C0096 anti-mouse CD45, Spark YG™ 570 anti-mouse CD45, PE/Fire™ 640 anti-mouse CD45, APC/Fire™ 810 anti-mouse CD45, PE/Fire™ 700 anti-mouse CD45, Spark Violet™ 538 anti-mouse CD45, Spark YG™ 593 anti-mouse CD45, Spark Blue™ 574 anti-mouse CD45 Antibody

Product Data



BALB/c splenocytes stained with 30-F11 purified, followed by anti-rat IgG FITC



Fresh, frozen mouse spleen was stained with purified CD45 clone 30-F11 conjugated and detected with a FITC CODEX™ oligonucleotide duplex (red). Samples were counterstained with Collagen IV Cy5 (green). Data generated at Akoya Biosciences, Inc. using the CODEX™ technology.

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