

PE anti-human CD155 (PVR) Antibody

Catalog# / Size	337609 / 25 tests 337610 / 100 tests
Clone	SKII.4
Regulatory Status	RUO
Other Names	Poliovirus receptor (PVR), nectin-like 5
Isotype	Mouse IgG1, κ
Description	CD155, known as poliovirus receptor (PVR) or nectin-like 5, is a 70 kD type I transmembrane glycoprotein. It is a nectin-like molecule belonging to Ig superfamily. CD155 is primarily found on endothelial cells, monocytes, epithelia and central nervous system. CD155 is an adhesion molecule involved in cell-cell and cell-matrix adhesion through interaction with CD226, CD96 (Tactile), nectin-1, -2, and -3 (CD111, CD112, CD113), and vitronectin. It also serves as a receptor for poliovirus and cytomegalovirus.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	SK-N-S1 human neuroblastoma cells.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Additional reported applications include: block binding of PVR ligands CD226 and CD96 to PVR, immunoprecipitation, and western blot.
Application References	1. Fuchs A, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:3994
(PubMed link indicates BioLegend citation)	
Product Citations	<ol style="list-style-type: none"> Eri Yamada <i>et al.</i> 2018. <i>Cell host & microbe.</i> 23(1):110-120 . PubMed Jacobs ME, <i>et al.</i> 2021. <i>Immunother Adv.</i> 1:Itaa004. PubMed Trotta AM, <i>et al.</i> 2018. <i>J Exp Clin Cancer Res.</i> 37:297. PubMed Poznanski SM, <i>et al.</i> 2018. <i>Cancer Immunol Res.</i> 1.065277778. PubMed Grandclaoudon M, <i>et al.</i> 2019. <i>Cell.</i> 179:432. PubMed Zhang X, <i>et al.</i> 2021. <i>Front Immunol.</i> 12:602492. PubMed Lim O, <i>et al.</i> 2013. <i>PLoS One.</i> 8:e53611. PubMed Kim N, <i>et al.</i> 2020. <i>Cancers (Basel).</i> 12:. PubMed Carré T, <i>et al.</i> 2020. <i>Oncol Rep.</i> . PubMed

RRID AB_2253258 (BioLegend Cat. No. 337609)
AB_2174019 (BioLegend Cat. No. 337610)

Antigen Details

Structure	Type I glycoprotein, Ig superfamily
Distribution	Monocytes, endothelial cells, epithelia, central nervous system
Function	Cell-cell and cell-matrix adhesion
Ligand/Receptor	CD226, CD96, nectin-1, -2, and -3, vitronectin, CD155, poliovirus
Cell Type	Endothelial cells, Epithelial cells, Monocytes, Tregs
Biology Area	Immunology, Innate Immunity
Molecular Family	Adhesion Molecules, CD Molecules, Immune Checkpoint Receptors
Antigen References	1. Zola H, et al. eds. 2007. <i>Leukocyte and Stromal Cell Molecules: The CD Markers</i> . Wiley-Liss A John Wiley & Sons Inc, Publication 2. Bottino PD, et al. 2005. <i>Mol. Immunol.</i> 42:463 3. Tahara-Hanaoka S, et al. 2004. <i>Intl. Immunol.</i> 16:533
Gene ID	5817

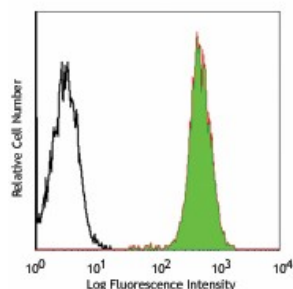
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human CD155 (PVR), Purified anti-human CD155 (PVR), PerCP/Cyanine5.5 anti-human CD155 (PVR), PE/Cyanine7 anti-human CD155 (PVR), PE/Dazzle™ 594 anti-human CD155 (PVR), APC anti-human CD155 (PVR), Alexa Fluor® 647 anti-human CD155 (PVR), Biotin anti-human CD155 (PVR), TotalSeq™-A0023 anti-human CD155 (PVR), APC/Fire™ 750 anti-human CD155 (PVR), Brilliant Violet 510™ anti-human CD155 (PVR), Brilliant Violet 421™ anti-human CD155 (PVR), FITC anti-human CD155 (PVR), Alexa Fluor® 700 anti-human CD155 (PVR), TotalSeq™-B0023 anti-human CD155 (PVR), TotalSeq™-C0023 anti-human CD155 (PVR), TotalSeq™-D0023 anti-human CD155 (PVR)

Product Data



Human histiocytic lymphoma cells U-937 stained with SKII.4 PE

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