

PE anti-human CD162 Antibody

Catalog# / Size	328805 / 25 tests 328806 / 100 tests
Clone	KPL-1
Regulatory Status	RUO
Other Names	PSGL-1, p-selectin glycoprotein ligand-1
Isotype	Mouse IgG1, κ
Description	CD162, also known as p-selectin glycoprotein ligand-1 (PSGL-1), is a 120 - 220 kD, mucin-like type I transmembrane glycoprotein. CD162 binds to CD62P (P-Selectin), CD62E (E-Selectin) and CD62L (L-Selectin). The interactions between P-selectin and P-selectin glycoprotein ligand-1 (PSGL-1) mediate the earliest "rolling" of leukocytes on the luminal surface of activated endothelium, and the interaction between leukocytes and activated platelets or other leukocytes found at sites of inflammation. CD162 is expressed on neutrophils, monocytes, and most lymphocytes including NK and T cells but PSGL-1 stains B cells at significantly lower levels than other cell types.

Product Details

Verified Reactivity	Human, Cynomolgus, Rhesus
Reported Reactivity	African Green, Baboon
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	PSGL-1 transfected murine 300.19 pre B-cell line
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	Clone KPL-1 is reported to recognize the tyrosine sulfation consensus motif of PSGL-1 ¹ . Additional reported applications (for the relevant formats) include: Western Blot ¹ , immunoprecipitation ² , immunohistochemical staining of acetone-fixed frozen tissue sections and formalin-fixed paraffin embedded tissue sections ¹ , blocks the recognition of PSGL-1 with P- and L-selectin ¹ .
Application References	<ol style="list-style-type: none"> 1. Snapp KR, <i>et al.</i> 1998. <i>Blood</i> 91:154. 2. Snapp KR, <i>et al.</i> 1998. <i>J. Cell Biol.</i> 142:263. 3. Yoshino N, <i>et al.</i> 2000. <i>Exp. Anim. (Tokyo)</i> 49:97. (FC) 4. Miyamura K, <i>et al.</i> 2011. <i>J. Gen. Virol.</i> 92:287. PubMed 5. Cheng Q, <i>et al.</i> 2012. <i>Lupus.</i> 21:632. PubMed.
Product Citations	<ol style="list-style-type: none"> 1. Pereira JL, <i>et al.</i> 2021. <i>Transl Oncol.</i> 14:101125. PubMed

(PubMed link indicates BioLegend citation)

2. Oggero S, *et al.* 2021. Journal of Extracellular Vesicles. 10(6):12084. [PubMed](#)
3. Alhaj Hussen K, *et al.* 2017. Immunity. 47:680. [PubMed](#)
4. Santos S, *et al.* 2011. Thromb Res. 127:105. [PubMed](#)
5. Jamaly S, *et al.* 2018. J Thromb Haemost. 16(8):1546. [PubMed](#)
6. Xu P, *et al.* 2020. Cancer Immunol Res. 8:1193. [PubMed](#)
7. Wang SS, *et al.* 2021. Cell Chemical Biology. 28(5):699-710.e5. [PubMed](#)
8. Anderson NR, *et al.* 2019. Cell Adh Migr. 13:163. [PubMed](#)

RRID AB_2185244 (BioLegend Cat. No. 328805)
 AB_2185243 (BioLegend Cat. No. 328806)

Antigen Details

Distribution	Neutrophils, monocytes, and most lymphocytes
Function	Mediates the earliest "rolling" of leukocytes on the luminal surface of activated endothelium, and the interaction between leukocytes and activated platelets or other leukocytes found at sites of inflammation.
Ligand/Receptor	CD62P (P-Selectin), CD62E (E-Selectin) and CD62L (L-Selectin)
Cell Type	Lymphocytes, Monocytes, Neutrophils
Biology Area	Cell Adhesion, Immunology
Molecular Family	Adhesion Molecules, CD Molecules
Antigen References	1. Snapp KR, <i>et al.</i> 1998. <i>Blood</i> 91:154.
Gene ID	6404

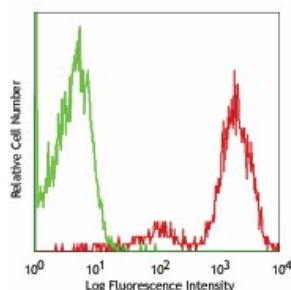
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD162, PE anti-human CD162, Brilliant Violet 421™ anti-human CD162, APC anti-human CD162, APC/Fire™ 750 anti-human CD162, Alexa Fluor® 647 anti-human CD162, PE/Cyanine7 anti-human CD162, PerCP/Cyanine5.5 anti-human CD162, PE/Dazzle™ 594 anti-human CD162, TotalSeq™-A0871 anti-human CD162, TotalSeq™-B0871 anti-human CD162 Antibody, TotalSeq™-C0871 anti-human CD162

Product Data



Human peripheral blood lymphocytes stained with KPL-1 PE

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all

applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587