

Rat anti-Mouse CD162 Monoclonal Antibody | anti-CD162 antibody

Anti-Mouse CD162 Monoclonal Antibody (Biotin Conjugated)

CATALOG # AAA174049	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD162; Monoclonal Antibody; Anti-Mouse CD162 Monoclonal Antibody (Biotin Conjugated); Mouse CD162; P-selectin glycoprotein ligand 1; Selp1g; PSGL-1; Selectin P ligand; anti-CD162 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4RA10
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Concentration	0.5 mg/mL (varies by lot)
Sequence Length	397
Applicable Applications for anti-CD162 antibody	FCM/FACS (Flow Cytometry)
Conjugation	Biotin
Cellular Localization	Membrane
Note	Centrifuge before opening to ensure complete recovery of vial contents.
Isotype Control	Biotin Rat IgG, k Isotype Control [HRPN] []
Preparation and Storage	Store at 2-8°C. Avoid freeze/thaw cycles. Keep as concentrated solution.

ADDITIONAL INFORMATION

Related Product Information for anti-CD162 antibody	The 4RA10 antibody reacts with the N-terminal functional peptide of CD162 (P-selectin glycoprotein ligand-1, PSGL-1), encoded by the Selp1 gene. PSGL-1 is expressed on the cell surface as a homodimer of approximately 230 kDa. In the mouse, Selp1 mRNA is detected in most tissues, with high levels found in hematopoietic cells, brain, and adipose tissue. Flow cytometric analyses have revealed CD162 expression on bone marrow-derived mast and dendritic cells, splenic leukocytes, platelets, peripheral blood neutrophils, and neutrophil and T-cell lines. PSGL-1 is a ligand for P-selectin (CD62P) and is involved in leukocyte rolling, the migration of leukocytes into inflamed tissues, and responses to vascular injury. It is a sialomucin that must be specifically sialylated, fucosylated, and sulfated to bind P-selectin. There is also evidence that other ligands for PSGL-1 and CD62P may exist. 4RA10 mAb is reported to block the binding of mouse leukocytes to CD62P and CD62L.
References	1. Borges E, Eytner R, Moll T, et al. Blood. 1997; 90(5):1934-1942. 2. Borges E, Tietz W, Steegmaier M, et al. J Exp Med. 1997; 185(3):573-578. 3. Frenette PS, Denis CV, Weiss L, et al. J Exp Med. 2000; 191(8):1413-1422.

NCBI AND UNIPROT INFORMATION

NCBI GI #	341942014
NCBI GeneID	20345
UniProt Accession #	Q62170
NCBI Official Full Name	P-selectin glycoprotein ligand 1
NCBI Official Synonym Full Names	selectin, platelet (p-selectin) ligand
NCBI Official Symbol	Selp1g
NCBI Official Synonym Symbols	CD162; Psgl1; Selp1; Selpl; Psgl-1
NCBI Protein Information	P-selectin glycoprotein ligand 1
UniProt Protein Name	P-selectin glycoprotein ligand 1
UniProt Gene Name	Selp1g
UniProt Synonym Gene Names	Selp1; Selpl; PSGL-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd162-antibody-clone-4ra10-flow-cytometry-elisa/174049>