

Mouse anti-Human PSGL-1/CD162 Monoclonal Antibody | anti-SELPLG antibody

Anti-PSGL-1/CD162 Antibody, Mouse Monoclonal

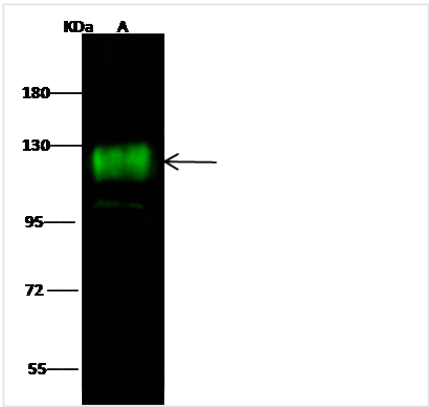
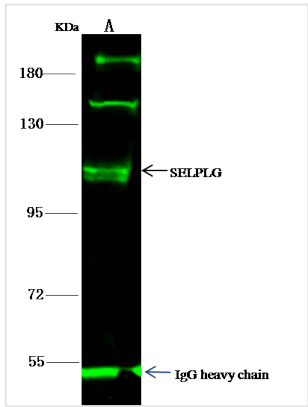
CATALOG # AAA255700	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

PSGL-1/CD162; Monoclonal Antibody; Anti-PSGL-1/CD162 Antibody; Mouse Monoclonal; PSGL-1/CD162/SELPLG Antibody; Mouse MAb; selectin P ligand; Anti-CD162 Antibody; Anti-CLA Antibody; Anti-PSGL-1 Antibody; Anti-PSGL1 Antibody; anti-SELPLG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	10
Specificity	Human PSGL-1/CD162/SELPLG
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SELPLG antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human PSGL-1/CD162/SELPLG Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human PSGL-1/CD162/SELPLG (rh PSGL-1/CD162/SELPLG). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
SELPLG was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate, 1 μ L anti-SELPLG mouse monoclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-SELPLG mouse monoclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 120 kDa.

WB (Western Blot)
Anti-SELPLG mouse monoclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight 800) at 1:15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 120 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SELPLG antibody	P-selectin glycoprotein ligand-1 (PSGL-1), also known as SELPLG or CD162, is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and platelets. PSGL-1 is a mucin-type glycoprotein, expressed on leukocytes and platelets as a homodimer of two disulfide-linked subunits of ~12 kD. As cell adhesion molecules, multiple studies have shown that PSGL-1/ P-selectin interaction is required for the normal recruitment of leukocytes during inflammatory reactions, and also participates in hemostatic responses. PSGL-1 protein requires two distinct posttranslational modifications for the Ca ²⁺ -dependent recognition by the lectin domain of P-selectin, that is tyrosine sulfation and specific O-linked glycosylation (sialic acid and fucose). PSGL-1 can also bind to other two members of the selectin family, E-selectin (endothelial) and L-selectin (leukocyte), but binds best to P-selectin.
References	1. Sako, D. et al., 1993, Cell. 75: 1179-1186. 2. Wilkins, P. P. et al., 1995, J. Biol. Chem. 270: 22677-22680. 3. Frenette, P. S. et al., 2000, J. Exp. Med. 191: 1413-1422. 4. Vandendries, E.R. et al., 2004, Thromb. Haemost. 92: 459-466.. 5. Pouyani, T. et al., 1995, Cell. 83: 333-343.

NCBI AND UNIPROT INFORMATION

NCBI GI #	331284238
NCBI GeneID	6404
NCBI Accession #	NP_001193538.1
NCBI GenBank Nucleotide #	NM_001206609.1
UniProt Accession #	Q14242; Q12775; Q6GTW7; Q8N7J7; A8K2Y0; B4DQC3; B7Z5C7; J3KMX6
Molecular Weight	43,201 Da
NCBI Official Full Name	P-selectin glycoprotein ligand 1 isoform 1
NCBI Official Synonym Full Names	selectin P ligand
NCBI Official Symbol	SELPLG
NCBI Official Synonym Symbols	CLA; CD162; PSGL1; PSGL-1
NCBI Protein Information	P-selectin glycoprotein ligand 1; cutaneous lymphocyte-associated associated antigen
UniProt Protein Name	P-selectin glycoprotein ligand 1

UniProt Gene Name	SELPLG
UniProt Synonym Gene Names	PSGL-1
UniProt Entry Name	SELPL_HUMAN

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://stage.aaabiotech.com/monoclonal/psgl-1-cd162-antibody-clone-10-immunoprecipitation-western-blot-elisa/255700>