

Anti-PSGL-1/CD162 Antibody (9H297)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9H297
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human SELPLG in human tonsil with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human SELPLG in human spleen with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	3. Flow cytometric analysis of Human SELPLG(CD162) expression on human whole blood granulocytes. Cells were stained with purified anti-Human SELPLG(CD162), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable granulocytes.
Application:	FCM,IHC-P
Recommended	IHC-P: 1:100-1:500; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human PSGL-1 / CD162 / SELPLG Protein (TMPY-03531)
Antigen Species:	Human
Synonyms:	PSGL-1;CLA;selectin P ligand;CD162;PSGL1

Research Background

P-selectin glycoprotein ligand-1 (PSGL-1), also known as SELPLG or CD162, is the high affinity outer-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 Ca²⁺-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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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