

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

## Product Details

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

## Applications

Verified Activity:	Flow cytometric analysis of Human SELPLG(CD162) expression on human whole blood granulocytes. Cells were stained with PE-conjugated anti-Human SELPLG(CD162). The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable granulocytes.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

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

## Research Background

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<sup>2+</sup>-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.

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