

## Anti-PSGL-1/CD162 Antibody (2A36)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2A36
Purification:	Protein A

### Applications

Verified Activity:	1. SELPLG was immunoprecipitated using: <ul style="list-style-type: none"><li>-Lane A:0.5 mg Jurkat Whole Cell Lysate.</li><li>-1 <math>\mu</math>L anti-SELPLG rabbit monoclonal antibody and 15 <math>\mu</math>L of 50 % Protein G agarose.</li><li>-Primary antibody:<ul style="list-style-type: none"><li>-Anti-SELPLG rabbit monoclonal antibody, at 1:500 dilution.</li><li>-Secondary antibody:<ul style="list-style-type: none"><li>-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.</li></ul></li></ul></li><li>-Developed using the odyssey technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size: 43 kDa.</li><li>-Observed band size: 120 kDa.</li></ul>
	2. Anti-SELPLG rabbit monoclonal antibody at 1:500 dilution. <ul style="list-style-type: none"><li>-Lane A: Jurkat Whole Cell lysate.</li><li>-Lysates/proteins at 30 <math>\mu</math>g per lane.</li><li>-Secondary<ul style="list-style-type: none"><li>-Goat Anti-Rabbit IgG H&amp;L (Dylight800) at 1/10000 dilution.</li></ul></li><li>-Developed using the Odyssey technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size:43 kDa.</li><li>-Observed band size:120 kDa(We are unsure as to the identity of these extra bands.)</li></ul>
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:25000-1:50000; IP: 0.2-1 $\mu$ L/mg of lysate

### 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: PSGL1;CD162;PSGL-1;selectin P ligand;CLA

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### 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481