

Datasheet for ABIN1177261  
**anti-SELPLG antibody**



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12 Publications

Overview

Quantity:	0.5 mg
Target:	SELPLG
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP), Blocking Reagent (BR)

Product Details

Brand:	BD Pharmingen™
Immunogen:	PSGL-1 human IgG1 fusion protein
Clone:	4RA10
Isotype:	IgG1 kappa
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin level is ≤ 0.01 EU/µg (≤ 0.001 ng/µg) of protein as determined by the LAL assay.

Target Details

Target:	SELPLG
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## Target Details

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Alternative Name: CD162 ([SELPLG Products](#))

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Background: The 4RA10 antibody reacts with the N-terminal functional peptide of CD162 (P-selectin glycoprotein ligand-1, PSGL-1), encoded by the Selpl gene. PSGL-1 is expressed on the cell surface as a homodimer of approximately 230 kDa. In the mouse, Selpl 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.

Synonyms: PSGL-1

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1.0 mg/mL

Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered.

Preservative: Azide free

Storage: 4 °C

Storage Comment: Store undiluted at 4°C. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

## Publications

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Product cited in: Debowska, Poleszczuk, Wojcik-Zaluska, Ksiazek, Zaluska: "Phosphate Kinetics During Weekly Cycle of Hemodialysis Sessions: Application of Mathematical Modeling." in: **Artificial organs**, (2015) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)