

Datasheet for ABIN7456635 **anti-SELPLG antibody (Biotin)**

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Overview

Quantity:	25 µg
Target:	SELPLG
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This SELPLG antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

Product Details

Clone:	4RA10
Isotype:	IgG1, kappa

Target Details

Target:	SELPLG
Alternative Name:	CD162 (SELPLG Products)
Background:	<p>P-selectin glycoprotein ligand 1, Selplg, PSGL-1, Selectin P ligand, CD162, 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,</p>

Target Details

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.

Gene ID: 20345

UniProt: [Q62170](#)

Application Details

Application Notes: For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Comment: Matching Isotype Control: Biotin Rat IgG1, κ Isotype Control (ABIN7469820)

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: PBS with 0.05 % Proclin300, 1 % BSA

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2~8°C. Do not freeze.