

Datasheet for ABIN7457371
anti-SELPLG antibody (PE-Cy5.5)



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Overview

Quantity:	25 µg
Target:	SELPLG
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This SELPLG antibody is conjugated to PE-Cy5.5
Application:	Flow Cytometry (FACS)

Product Details

Clone:	4RA10
Isotype:	IgG1, kappa

Target Details

Target:	SELPLG
Alternative Name:	CD162 (SELPLG Products)
Background:	P-selectin glycoprotein ligand 1, Selp1g, 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 Selp1 gene. PSGL-1 is expressed on the cell surface as a homodimer of approximately 230 kDa. In the mouse, Selp1 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,

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: Check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10⁶ cells in 100 µL volume].

Comment: Matching Isotype Control: PE/Cyanine5.5 Rat IgG1, κ Isotype Control (ABIN7469826)

Restrictions: For Research Use only

Handling

Concentration: 0.2 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 and protected from prolonged exposure to light. Do not freeze.