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PE/Cyanine 5.5 Anti-Mouse CD162 Antibody [4RA10]

Catalog Number: E-AB-F1034UI

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse Rat Host

Isotype Rat IgG1, ĸ Clone No. 4RA10

PE/Cyanine5.5 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09823I] Isotype Control

PE/Cyanine 5.5 Conjugation

Conjugation Information PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm

(e.g., a 690/50 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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].

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD162;P-selectin glycoprotein ligand 1;PSGL-1;Selectin P ligand;Selplg;PSGL1

Uniprot ID Q62170 Gene ID 20345

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, SelpI 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.

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