

PE anti-mouse CD170 Recombinant Antibody

Catalog# / Size	164103 / 25 µg 164104 / 100 µg
Clone	QA20A11
Regulatory Status	RUO
Other Names	OBBP2, CD33L2, OB-BP2
Isotype	Rat IgG1, κ
Description	CD170, also known as Siglec-F, Siglec-5, is a member of the Sialic acid-binding Ig-like lectin family, type I single pass transmembrane protein, with 4 extracellular Ig-like domains and 2 ITIM motifs in the cytoplasmic domain; preferentially binds [alpha]-2,3-linked sialic acid. Siglec F is expressed in eosinophils, alveolar macrophages and intestinal microfold (M) cells and induces apoptosis of the lung eosinophils during allergic asthma.

Product Details

Verified Reactivity	Mouse
Antibody Type	Recombinant
Host Species	Rat
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze .
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	This recombinant antibody clone is derived from clone S17007L.
RRID	AB_2894437 (BioLegend Cat. No. 164103) AB_2894437 (BioLegend Cat. No. 164104)

Antigen Details

Structure	Member of the immunoglobulin superfamily, single pass transmembrane protein, forms a 140 kD dimer; cytoplasmic domain contains two ITIM motifs
Distribution	Granulocytes, Monocytes, Macrophages, Lymphocytes, Dendritic cells, B cells, eosinophils.
Function	Inhibitory receptor, cell adhesion
Ligand/Receptor	α2,3- and α2,6-linked sialic acid.
Gene ID	8778

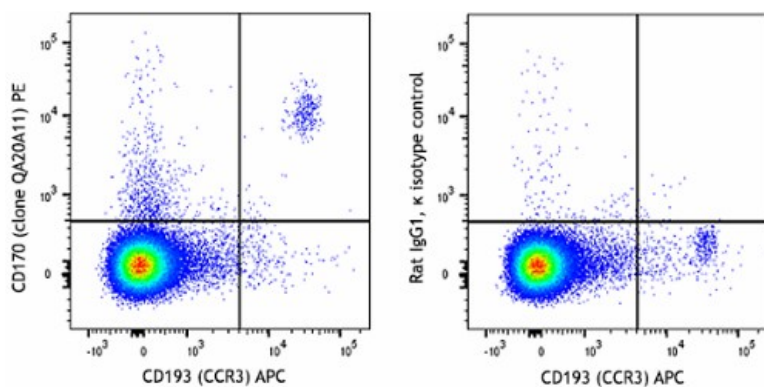
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-mouse CD170 Recombinant Antibody, Purified anti-mouse CD170 (Siglec-F) Recombinant Antibody

Product Data



C57BL/6 mouse splenocytes were stained with CD193 (CCR3) (clone J073E5) APC and CD170 (Siglec-F) recombinant (clone QA20A11) PE (left) or rat IgG1, κ PE isotype control (right).

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