

APC/Cyanine7 anti-mouse CD170 (Siglec-F) Antibody

Catalog# / Size	155531 / 25 µg 155532 / 100 µg
Clone	S17007L
Regulatory Status	RUO
Other Names	Siglec-5
Isotype	Rat IgG2a, 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	Monoclonal
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 APC/Cyanine7 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	Red Laser (633 nm)
RRID	AB_2904295 (BioLegend Cat. No. 155531) AB_2904295 (BioLegend Cat. No. 155532)

Antigen Details

Structure	Member of the Sialic acid-binding Ig-like lectin family, type I, single pass, transmembrane protein, 4 extracellular Ig-like domains, 2 ITIM motifs in the cytoplasmic domain
Distribution	Eosinophils, alveolar macrophages, intestinal microfold (M) cells
Function	Induces apoptosis in eosinophils
Ligand/Receptor	[alpha]-2,3-linked sialic acid
Cell Type	Eosinophils, Macrophages
Biology Area	Apoptosis/Tumor Suppressors/Cell Death, Cell Biology, Immunology, Innate Immunity

Molecular Family CD Molecules, Siglec Molecules

Antigen References

1. Gicheva N, *et al.* 2016. *Biochem Biophys Res Commun.* 479:1-4.
2. Kiwamoto T, *et al.* 2015. *J Allergy Clin Immunol.* 135:1329-1340.
3. Suzukawa M, *et al.* 2013. *J Immunol.* 190:5939-48.
4. Patnode ML, *et al.* 2013. *J Biol Chem.* 288:26533-45.

Gene ID [233186](#)

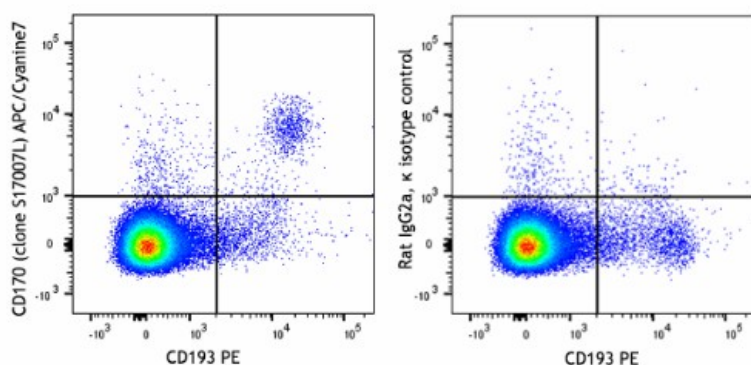
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse CD170 (Siglec-F), FITC anti-mouse CD170 (Siglec-F), PE anti-mouse CD170 (Siglec-F), APC anti-mouse CD170 (Siglec-F), Brilliant Violet 421™ anti-mouse CD170 (Siglec-F), Biotin anti-mouse CD170 (Siglec-F), TotalSeq™-A0431 anti-mouse CD170 (Siglec-F), TotalSeq™-C0431 anti-mouse CD170 (Siglec-F), TotalSeq™-B0431 anti-mouse CD170 (Siglec-F), Alexa Fluor® 647 anti-mouse CD170 (Siglec-F) Antibody, KIRAVIA Blue 520™ anti-mouse CD170 (Siglec-F) Antibody, Alexa Fluor® 488 anti-mouse CD170 (Siglec-F) Antibody, PerCP/Cyanine5.5 anti-mouse CD170 (Siglec-F) Antibody, PE/Cyanine7 anti-mouse CD170 (Siglec-F) Antibody, PE/Dazzle™ 594 anti-mouse CD170 (Siglec-F) Antibody, APC/Cyanine7 anti-mouse CD170 (Siglec-F)

Product Data



C57BL/6 mouse splenocytes were stained with anti-mouse CD193 PE and anti-mouse CD170 Siglec-F (clone S17007L) APC/Cyanine7 (left) or rat IgG2a, κ APC/Cyanine7 isotype control (right)

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