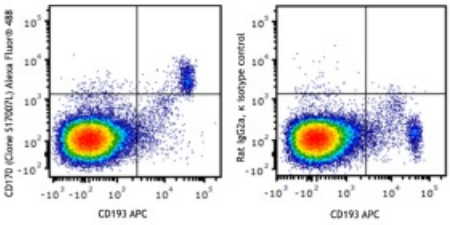
SONY

Product Data Sheet

Alexa Fluor® 488 anti-mouse CD170 (Siglec-F)

Catalog # / Size:	1377620 / 100 µg 1377615 / 25 µg
Clone:	S17007L
Isotype:	Rat IgG2a, κ
Immunogen:	Mouse CD20 transfected cells
Reactivity:	Mouse
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Concentration:	0.5 mg/mL



C57BL/6 mouse splenocytes were stained with anti-mouse CD193 (CCR3) (clone J073E5) APC and anti-mouse CD170 (Siglec-F) (clone S17007L) Alexa Fluor® 488 (left) or rat IgG2a, κ Alexa Fluor® 488 isotype control (right).

Applications:

Applications:	Flow Cytometry
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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Clone B8.2C12 only binds to the BALB/c allele of Tim-3.
Application References:	1. Bongard, A, *et al*. 2019. *PLoS Pathog*. 15(9):e1008043. (Depletion) Pubmed

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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 eosinophis during allergic asthma.

Antigen References:

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