

**Alexa Fluor® 647 anti-mouse CD170 (Siglec-F)**

**Catalog # / Size:** 1377600 / 100 µg  
1377595 / 25 µg

**Clone:** S17007L

**Isotype:** Rat IgG2a, κ

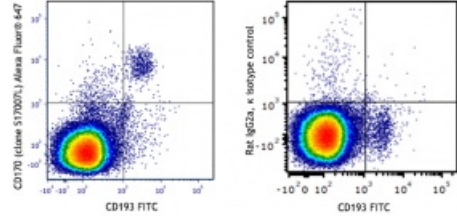
**Immunogen:** Mouse CD20 transfected cells

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 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) FITC and anti-mouse CD170 (Siglec-F) (clone S17007L) Alexa Fluor® 647 (left) or rat IgG2a, κ Alexa Fluor® 647 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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

**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](#)

**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.

**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.