

Biotin anti-mouse CD170 (Siglec-F)

Catalog # / Size: 1377560 / 100 µg

Clone: S17007L

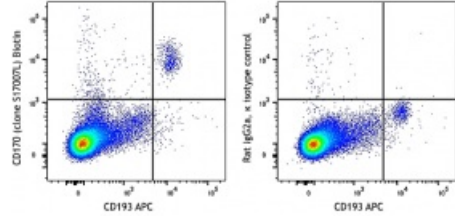
Isotype: Rat IgG2a, κ

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml



C57BL/6 mouse splenocytes were stained with CD193 (CCR3, clone J073E5) APC and biotinylated Siglec-F (clone S17007L, left) or biotinylated rat IgG2a, κ isotype control (right), followed by SAV-PE

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.

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.