

CD170 (Siglec F) Monoclonal Antibody (1RNM44N), Brilliant Ultra Violet™ 395, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 25 µg |
| Species Reactivity | Mouse |
| Host/Isotype | Rat / IgG2a, kappa |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Ultra Violet™ 395, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 1RNM44N |
| Conjugate | Brilliant Ultra Violet™ 395 |
| Excitation/Emission Max | 347/399 nm |
| Form | Liquid |
| Concentration | 0.2 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2925279 |

| Applications | Tested Dilution | Publications |
|-----------------------|-----------------|--------------|
| Flow Cytometry (Flow) | 0.5 µg/test | - |

Product Specific Information

Description: This 13F12F2 monoclonal antibody reacts with human killer cell lectin-like receptor subfamily G, member 1 (KLRG1), a type II transmembrane inhibitor receptor of the C-type lectin superfamily that contains an ITIM domain. This inhibitory receptor is expressed on subsets of gamma-delta T cells, NK (CD56dim), CD8+ and CD4+ T Cells. KLRG1 is expressed primarily by cells with an effector/memory phenotype that are short-lived, but capable of immediate effector cell function. Cadherin-E, -N, and -R are ligands for KLRG1. Cadherin/KLRG1 interaction inhibits cytolytic activity and proliferation. The percentage of KLRG1 positive cells can vary considerably, depending on antigen experience.

The clones 13F12F2 and 13A2 appear to recognize a similar epitope based on cross-blocking studies.

Applications Reported: This 13F12F2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 13F12F2 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (1.0 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells /test.

Brilliant Ultra Violet™ 395 (BUV395) is a dye that emits at 395 nm and is intended for use on cytometers equipped with an ultraviolet (355 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.

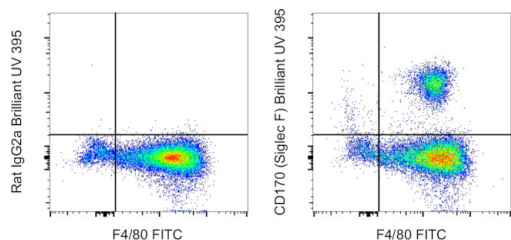
When using two or more Super Bright, Brilliant Violet™, Brilliant Ultra Violet™, or other polymer dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401-42) or Brilliant Stain

Buffer™ (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

Excitation: 350 nm; Emission: 395 nm; Laser: Ultraviolet Laser.

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Product Images For CD170 (Siglec F) Monoclonal Antibody (1RNM44N), Brilliant Ultra Violet™ 395, eBioscience™



CD170 (Siglec F) Antibody (363-1702-80) in Flow

BALB/c mouse thioglycolate-elicited peritoneal exudate cells were stained with F4/80 Monoclonal Antibody, FITC (Product # 11-4801-82) and 0.25 µg of Rat IgG2a kappa Isotype Control, Brilliant Ultra Violet 395 (Product # 363-4321-81) (left) or 0.25 µg of CD170 (Siglec F) Monoclonal Antibody, Brilliant Ultra Violet 395 (right). Total viable cells were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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