

CD171 Monoclonal Antibody (eBio5G3 (5G3)), PE, eBioscience™

Product Details

Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio5G3 (5G3)
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11041119

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	1 Publication

Product Specific Information

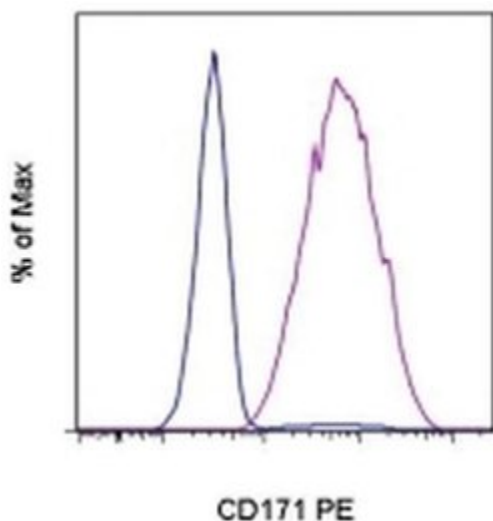
Description: The monoclonal antibody eBio5G3 recognizes CD171 also known as neural cell adhesion molecule L1. CD171 is a member of the Ig superfamily containing 6 extracellular Ig domains and five fibronectin type III-like repeats. CD171 has been shown to function as a cell adhesion molecule mediating homotypic and heterotypic cell-cell interactions in neuronal myelination, neurite outgrowth and regeneration. Expression of CD171 has been found on monocytes and mature monocytic-derived and follicular DCs, a minor subset of lymphocytes in addition to that found on neuronal tissue and some tumor cells lines. Expression of CD171 on tumors is thought to contribute to tumor progression. Epitope of eBio5G3 is in amino-terminal Ig-like domain.

Applications Reported: This eBio5G3 (5G3) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio5G3 (5G3) antibody has been pre-titrated and tested by flow cytometric analysis of tumor cell line Panc-1. This can be used at 5 µL (0.25 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.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD171 Antibody (12-1719-42) in Flow

Staining of the Panc-1 cell line with Mouse IgG2a K Isotype Control PE (Product # 12-4724-81) (blue histogram) or Anti-Human CD171 PE (purple histogram). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Stem cells (Dayton, Ohio)

Comprehensive Cell Surface Antigen Analysis Identifies Transferrin Receptor Protein-1 (CD71) as a Negative Selection Marker for Human Neuronal Cells.

Authors: Menon V, Thomas R, Elgueta C, Horl M, Osborn T, Hallett PJ, Bartos M, Isacson O, Pruszk J

Species
Human

Dilution
1 µg/mL

Year
2019

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