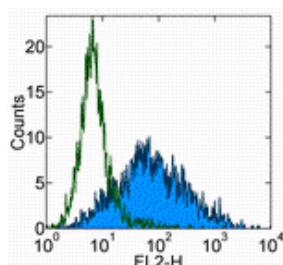


## Anti-Human CD171 PE

**Catalog Number:** 12-1719

**Also Known As:** Neural Cell Adhesion Molecule, L1, NCAM L1

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of the Panc-1 cell line with Mouse IgG2a kappa Isotype Control PE (cat. 12-4724) (open histogram) or Anti-Human CD171 PE (filled histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Human CD171 PE


**REF** **Catalog Number:** 12-1719

**Clone:** eBio5G3 (5G3)


**Concentration:** 5  $\mu$ L (0.25  $\mu$ g)/test

**Host/Isotype:** Mouse IgG2a

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

### 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  $\mu$ L (0.25  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Balaian LB, Moehler T, Montgomery AM. The human neural cell adhesion molecule L1 functions as a costimulatory molecule in T cell activation. Eur J Immunol. 2000 Mar;30(3):938-43. (5G3, FA PubMed)

Pancook JD, Reisfeld RA, Varki N, Vitiello A, Fox RI, Montgomery AM. Expression and regulation of the neural cell adhesion molecule L1 on human cells of myelomonocytic and lymphoid origin. J Immunol. 1997 May 1;158(9):4413-21. (5G3, FC PubMed)

### Related Products

12-4724 Mouse IgG2a K Isotype Control PE

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