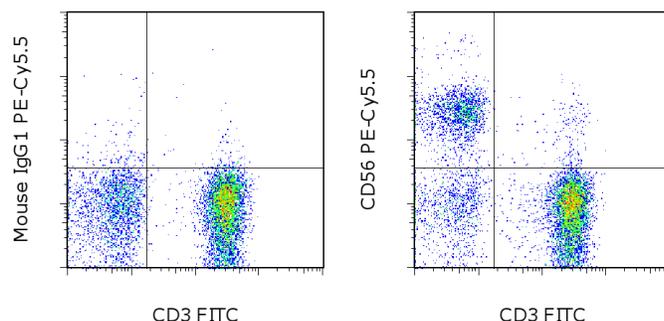


## Anti-Human CD56 (NCAM) PE-Cyanine5.5

**Catalog Number:** 35-0567

**Also known as:** Neural Cell Adhesion Molecule

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



Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (cat. 11-0038) and Mouse IgG1 K Isotype Control PE-Cyanine5.5 (cat. 35-4714) (left) or Anti-Human CD56 (NCAM) PE-Cyanine5.5 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD56 (NCAM) PE-Cyanine5.5

**REF** **Catalog Number:** 35-0567

**Clone:** CMSSB

**Concentration:** 5  $\mu$ L (0.125  $\mu$ g)/test

**Host/Isotype:** Mouse IgG1, kappa



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



**Batch Code:** Refer to vial



**Use By:** Refer to vial



**Contains sodium azide**

### Description

This CMSSB monoclonal antibody reacts with human CD56, also known as Neural Cell Adhesion Molecule (NCAM). CD56 is a highly glycosylated transmembrane molecule expressed by neurons and plays a role in the homotypic adhesion of neural cells. In the hematopoietic system, CD56 is expressed on NK cells and a subset of T cells referred to as NKT cells. Staining with CMSSB does not block binding of MEM188 or CB56.

### Applications Reported

This CMSSB antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This CMSSB antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5  $\mu$ L (0.125  $\mu$ 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

Sonnenberg GF, Monticelli LA, Alenghat T, Fung TC, Hutnick NA, Kunisawa J, Shibata N, Grunberg S, Sinha R, Zahm AM, Tardif MR, Sathaliyawala T, Kubota M, Farber DL, Collman RG, Shaked A, Fouser LA, Weiner DB, Tessier PA, Friedman JR, Kiyono H, Bushman FD, Chang KM, Artis D. Innate lymphoid cells promote anatomical containment of lymphoid-resident commensal bacteria. *Science*. 2012 Jun 8;336(6086):1321-5. (CMSSB, FC, PubMed)

Hayakawa Y, Huntington ND, Nutt SL, Smyth MJ. Functional subsets of mouse natural killer cells. *Immunol Rev*. 2006 Dec;214:47-55.

Kishimoto, T., A.E.G., von dem Borne, et al. eds. 1998. *Leucocyte Typing VI: White Cell Differentiation Antigens*. Garland Publishing, Inc. London.

### Related Products

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00-4222 Flow Cytometry Staining Buffer

11-0038 Anti-Human CD3 FITC (UCHT1)

12-0088 Anti-Human CD8a PE (RPA-T8)

35-4714 Mouse IgG1 K Isotype Control PE-Cyanine5.5 (P3.6.2.8.1)

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