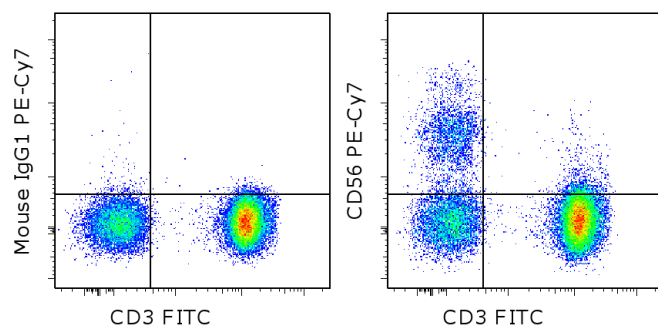


## Anti-Human CD56 (NCAM) PE-Cyanine7

**Catalog Number:** 25-0567

**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. 11-0037) and Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (left) or Anti-Human CD56 (NCAM) PE-Cyanine7 (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Human CD56 (NCAM) PE-Cyanine7

**REF** **Catalog Number:** 25-0567

**Clone:** CMSSB

**Concentration:** 5 uL (0.125 ug)/test

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

**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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.

**LOT** **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 µL (0.125 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

### References

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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

11-0037 Anti-Human CD3 FITC (OKT3)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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