

# CD56 (NCAM) Monoclonal Antibody (CMSSB), APC-eFluor™ 780, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CMSSB
Conjugate	APC-eFluor™ 780
Excitation/Emission Max	756/785 nm
Form	Liquid
Concentration	5 µL/Test
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_10854573

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	19 Publications

## Product Specific Information

**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 (0.06 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.

APC-eFluor® 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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

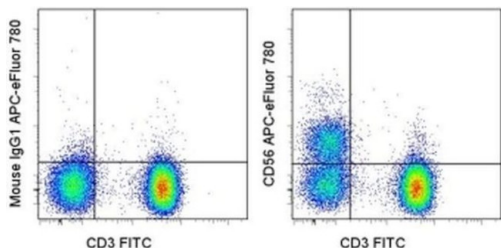
**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation

Buffer) or 1-step Fix/Lyse Solution (Product # 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.

Excitation: 633-647 nm; Emission: 780 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD56 (NCAM) Monoclonal Antibody (CMSSB), APC-eFluor™ 780, eBioscience™



### CD56 (NCAM) Antibody (47-0567-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (Product # 11-0038-42) and Mouse IgG1 K Isotype Control APC-eFluor® 780 (Product # 47-4714-82) (left) or Anti-Human CD56 (NCAM) APC-eFluor® 780 (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.cn](#)

## 19 References

### Flow Cytometry (19)

Journal of experimental & clinical cancer research : CR

#### NK cell-triggered CCL5/IFN-CXCL9/10 axis underlies the clinical efficacy of neoadjuvant anti-HER2 antibodies in breast cancer.

"Published figure using CD56 (NCAM) monoclonal antibody (Product # 47-0567-42) in Flow Cytometry"

Authors: Santana-Hernández S,Suarez-Olmos J,Servitja S,Berenguer-Molins P,Costa-Garcia M,Comerma L,Rea A,Perera-Bel J,Menendez S,Arpi O,Bermejo B,Martínez MT,Cejalvo JM,Comino-Méndez I,Pascual J,Alba E,López-Botet M,Rojo F,Rovira A,Albanell J,Muntasell A

Year  
2024

Clinical cancer research : an official journal of the American Association for Cancer Research

#### Comprehensive Single-Cell Immune Profiling Defines the Patient Multiple Myeloma Microenvironment Following Oncolytic Virus Therapy in a Phase Ib Trial.

"Published figure using CD56 (NCAM) monoclonal antibody (Product # 47-0567-42) in Flow Cytometry"

Authors: Nawrocki ST,Olea J,Villa Celi C,Dadrastoussi H,Wu K,Tsao-Wei D,Colombo A,Coffey M,Fernandez Hernandez E,Chen X,Nuovo GJ,Carew JS,Mohrbacher AF,Fields P,Kuhn P,Siddiqi I,Merchant A,Kelly KR

Year  
2023

[View more Flow references on thermofisher.cn](#)

## More applications with references on thermofisher.cn

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