

# CD56 (NCAM) Monoclonal Antibody (TULY56), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Non-human primate, Rhesus monkey
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TULY56
Conjugate	APC
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_2573148

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	8 Publications

## Product Specific Information

**Description:** This TULY56 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 TULY56 does not block binding of CMSSB, suggesting that the two antibodies recognize different epitopes. Additionally, TULY56 performs better after fixation and permeabilization than CMSSB.

The TULY56 monoclonal antibody crossreacts with Rhesus macaque.

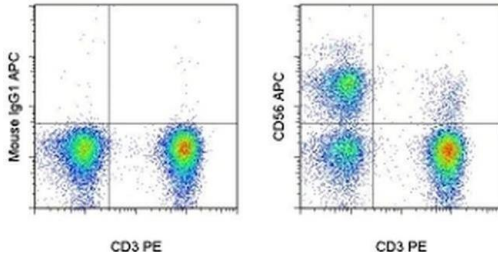
**Applications Reported:** This TULY56 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This TULY56 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.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

## Product Images For CD56 (NCAM) Monoclonal Antibody (TULY56), APC, eBioscience™



### CD56 (NCAM) Antibody (17-0566-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD3 PE (Product # 12-0037-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD56 (NCAM) APC (right). Cells in the lymphocyte gate were used for analysis.

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## 8 References

### Flow Cytometry (8)

#### Nature communications

#### Immune cell profiling of the cerebrospinal fluid enables the characterization of the brain metastasis microenvironment.

"17-0566 was used in Flow cytometry/Cell sorting to characterize immune cells present in brain lesions and matched cerebrospinal fluid (CSF) using single-cell RNA sequencing combined with T cell receptor genotyping."

Authors: Rubio-Perez C, Planas-Rigol E, Trincado JL, Bonfill-Teixidor E, Arias A, Marchese D, Moutinho C, Serna G, Pedrosa L, Iurlaro R, Martínez-Ricarte F, Escudero L, Cordero E, Cicuendez M, Ruiz S, Parra G, Nuciforo P, Gonzalez J, Pineda E, Sahuquillo J, Tabernero J, Heyn H, Seoane J

#### Species

Human

#### Dilution

1:100

#### Year

2021

#### Journal of Cancer

#### HDAC Inhibitor, CG-745, Enhances the Anti-Cancer Effect of Anti-PD-1 Immune Checkpoint Inhibitor by Modulation of the Immune Microenvironment.

"Published figure using CD56 (NCAM) monoclonal antibody (Product # 17-0566-42) in Flow Cytometry"

Authors: Kim YD, Park SM, Ha HC, Lee AR, Won H, Cha H, Cho S, Cho JM

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2020

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

## More applications with references on thermofisher.com

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