

# CD38 Monoclonal Antibody (HIT2), APC, 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, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIT2
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1834353

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	29 Publications

## Product Specific Information

**Description:** The HIT2 monoclonal antibody reacts with the human CD38 molecule, an approximately 45 kDa type II transmembrane protein. CD38 is expressed by thymocytes, peripheral B cells including plasma cells, activated T cells, and monocytes. CD38 is a counter-receptor for CD31 and has both cyclase and hydrolase enzymatic activity.

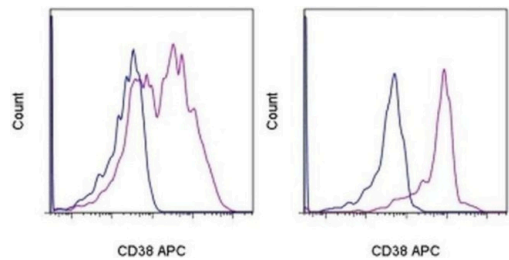
**Applications Reported:** This HIT2 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This HIT2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 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 CD38 Monoclonal Antibody (HIT2), APC, eBioscience™



**CD38 Antibody (17-0389-42) in Flow**  
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (blue histogram) or Anti-Human CD38 APC (purple histogram). Cells in the lymphocyte gate (left) and monocyte gate (right) were used for analysis.

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

29 References

Flow Cytometry (29)

Frontiers in immunology	Year 2023
<b>Immunometabolic interference between cancer and COVID-19.</b> "Published figure using CD38 monoclonal antibody (Product # 17-0389-42) in Flow Cytometry" Authors: Consonni FM,Durante B,Manfredi M,Bleve A,Pandolfo C,Garlatti V,Vanella VV,Marengo E,Barberis E,Bottazzi B,Bombace S,My I,Condorelli G,Torri V,Sica A	
Genome biology	Year 2022
<b>scTAM-seq enables targeted high-confidence analysis of DNA methylation in single cells.</b> "17-0389-42 was used in Flow cytometry/Cell sorting to demonstrate that scTAM-seq can resolve DNA methylation dynamics across B-cell differentiation in blood and bone marrow, identifying intermediate differentiation states that were previously masked." Authors: Bianchi A,Scherer M,Zaurin R,Quililan K,Velten L,Beekman R	Species Human  Dilution 1:30

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More applications with references on thermofisher.cn

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