

CD38 Monoclonal Antibody (HIT2), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIT2
Conjugate	FITC
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_1724055

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	8 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.

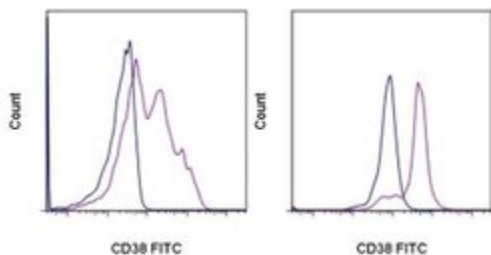
Applications Reported: The HIT2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 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 (1 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 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD38 Monoclonal Antibody (HIT2), FITC, eBioscience™



CD38 Antibody (11-0389-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD38 FITC (purple histogram). Cells in the lymphocyte gate (left) and monocyte gate (right) were used for analysis.

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

8 References

Flow Cytometry (8)

Experimental and therapeutic medicine

Abnormal phenotypic features of IgM+B cell subsets in patients with chronic hepatitis C virus infection.

"Published figure using CD38 monoclonal antibody (Product # 11-0389-42) in Flow Cytometry"

Authors: Kong F, Feng B, Zhang H, Rao H, Wang J, Cong X, Wei L

Species

Not Applicable

Dilution

Not Cited

Year

2017

Blood advances

Heterogeneous leukemia stem cells in myeloid blast phase chronic myeloid leukemia.

"11-0389 was used in Flow cytometry/Cell sorting to study the haemopoietic hierarchy of additional mutations in blast phase chronic myeloid leukaemia, and the cellular identity of the resulting leukaemia-propagating stem cell."

Authors: Kinstrie R, Karamitros D, Goardon N, Morrison H, Hamblin M, Robinson L, Clark RE, Copland M, Vyas P

Species

Human

Dilution

Not Cited

Year

2016

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

More applications with references on thermofisher.com

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