

CD38 Monoclonal Antibody (HIT2), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIT2
Conjugate	PE
Excitation/Emission Max	565/576 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_10667740

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	13 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.

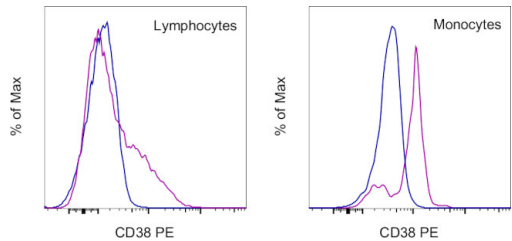
Applications Reported: The HIT2 antibody has been reported for use in flow cytometric analysis.

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 (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 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD38 Antibody (12-0389-42) in Flow
Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (blue histogram) or CD38 Monoclonal Antibody, PE (purple histogram). Cells in the lymphocyte gate (left) and monocyte gate (right) were used for analysis.

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13 References

Flow Cytometry (13)

<p>Frontiers in immunology</p> <p>Immunometabolic interference between cancer and COVID-19.</p> <p>"Published figure using CD38 monoclonal antibody (Product # 12-0389-42) in Flow Cytometry"</p> <p>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</p>	<p>Year 2023</p>
<p>Aging cell</p> <p>B cell-intrinsic changes with age do not impact antibody-secreting cell formation but delay B cell participation in the germinal centre reaction.</p> <p>"Published figure using CD38 monoclonal antibody (Product # 12-0389-42) in Flow Cytometry"</p> <p>Authors: Lee JL,Fra-Bido SC,Burton AR,Innocentin S,Hill DL,Linterman MA</p>	<p>Year 2022</p>

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