Performance guarenteed

CD40 Monoclonal Antibody (5C3), PE, eBioscience™

Product Details

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Size	100 Tests
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Туре	Antibody
Clone	5C3
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_1963582

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 μL (0.015 μg)/test	12 Publications

Product Specific Information

Description: The 5C3 monoclonal antibody reacts with human CD40, a 45-50 kDa type I transmembrane glycoprotein. CD40 is a member of the TNFR family and is expressed by B lymphocytes, follicular dendritic cells, thymic epithelium, and a subset of peripheral T cells. CD40 regulates B cell development and maturation by inducing Ig isotype-switching and in combination with other signals such as IL-4, protects B cells from surface Ig-induced apoptosis and promotes proliferation. Interaction of CD40 with CD154 (gp39), its ligand on T cells, is important in T-B cell crosstalk and plays a role in costimulation and immune regulation. 5C3 is reported to be used for activation of B cells in in vitro functional assays.

Applications Reported: The 5C3 antibody has been reported for use in flow cytometric analysis.

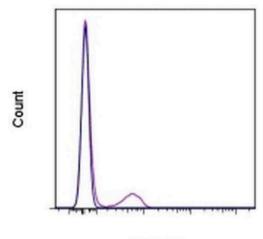
Applications Tested: This 5C3 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.015 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

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

Filtration: 0.2 µm post-manufacturing filtered.

1

Product Images For CD40 Monoclonal Antibody (5C3), PE, eBioscience™



CD40 Antibody (12-0409-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (blue histogram) or Anti-Human CD40 PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

CD40 PE

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low Cytometry (12)	
Reproductive biology and endocrinology : RB&E	Year
Recombinant human IL-37 inhibited endometriosis development in a mouse model through increasing Th1/Th2 ratio by inducing the	2021
maturation of dendritic cells.	
"Published figure using CD40 monoclonal antibody (Product # 12-0409-42) in Flow Cytometry"	
Authors: Li L,Liao Z,Ye M,Jiang J	
The Journal of clinical investigation	Year 2020
Tendon-derived cathepsin K-expressing progenitor cells activate	2020
	Species
Hedgehog signaling to drive heterotopic ossification.	Species Mouse

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More applications with references on thermofisher.cn

Authors: Feng H,Xing W,Han Y,Sun J,Kong M,Gao B,Yang Y,Yin Z,Chen X,Zhao Y,Bi Q,Zou W

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2