

CD43 Monoclonal Antibody (eBio84-3C1 (84-3C1)), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Fish, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio84-3C1 (84-3C1)
Conjugate	FITC
Excitation/Emission Max	498/517 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_10717075

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	9 Publications

Product Specific Information

Description: The monoclonal antibody eBio84-3C1 reacts with CD43, which is also known as leukosialin, galactoglycoprotein and sialophorin. CD43 is a sialomucin which like many mucins can have both adhesive and anti-adhesive functions. Expression of CD43 is found on most leukocytes except resting B lymphocytes. Proteolytic processing upon activation decreases surface expression. CD43 is involved in activation of T cells, B cells, NK cells, and monocytes. The counter-receptor for CD43 is CD169/SIGLEC-1, which is expressed on macrophages.

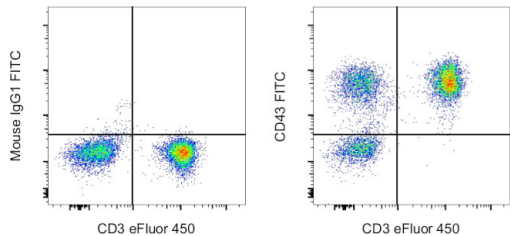
Applications Reported: This eBio84-3C1 (84-3C1) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio84-3C1 (84-3C1) antibody has been pre-titrated and tested by flow cytometric analysis of peripheral blood mononuclear 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 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD43 Monoclonal Antibody (eBio84-3C1 (84-3C1)), FITC, eBioscience™



CD43 Antibody (11-0439-42) in Flow
Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, eFluor 450 (Product # 48-0038-42) and Mouse IgG1 kappa Isotype Control, FITC (Product # 11-4714-82) (left) or CD43 Monoclonal Antibody, FITC (right). Cells in the lymphocyte gate were used for analysis.

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9 References

Flow Cytometry (9)

<p>STAR protocols</p> <p><i>In vitro</i> differentiation of human embryonic stem cells to hemogenic endothelium and blood progenitors via embryoid body formation.</p> <p>"Published figure using CD43 monoclonal antibody (Product # 11-0439-42) in Flow Cytometry"</p> <p>Authors: Garcia-Alegria E,Potts B,Menegatti S,Kouskoff V</p>	<p>Year</p> <p>2021</p>
<p>Cell reports</p> <p>Human and Mouse Transcriptome Profiling Identifies Cross-Species Homology in Pulmonary and Lymph Node Mononuclear Phagocytes.</p> <p>"11-0439 was used in Flow cytometry/Cell sorting to created a gene expression compendium across 24 distinct human and murine lung and lymph node mononuclear phagocyte (MP), along with human blood and murine spleen MPs, to serve as validation datasets."</p> <p>Authors: Leach SM,Gibblings SL,Tewari AD,Atif SM,Vestal B,Danhorn T,Janssen WJ,Wager TD,Jakubzick CV</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Human</p>

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