

CD244 Monoclonal Antibody (eBioDM244), 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	eBioDM244
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_10670227

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	2 Publications

Product Specific Information

Description: The eBioDM244 monoclonal antibody reacts with human CD244 (2B4, p38). In human, CD244 is a 38 kDa protein expressed on NK cells, a subset of CD8+ T cells, gammadelta T cells, monocytes, basophils and eosinophils. Binding of the CD244 ligand, CD48, results in NK cell activation, unlike mouse CD244, which is an inhibitory receptor.

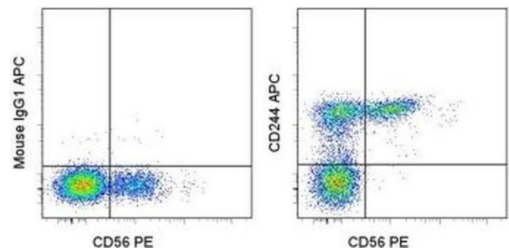
Applications Reported: This eBioDM244 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioDM244 antibody has been pre-titrated and tested by flow cytonetric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD244 Monoclonal Antibody (eBioDM244), APC, eBioscience™



CD244 Antibody (17-5837-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) PE (Product # 12-0567-42) and Mouse IgG1 kappa Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD244 APC (right). Cells in the lymphocyte gate were used for analysis.

2 References

Flow Cytometry (2)

Oncoimmunology	Year 2022
TIGIT expressing CD4+T cells represent a tumor-supportive T cell subset in chronic lymphocytic leukemia.	
"Published figure using CD244 monoclonal antibody (Product # 17-5837-42) in Flow Cytometry"	
Authors: Catakovic K,Gassner FJ,Ratswohl C,Zaborsky N,Rebhandl S,Schubert M,Steiner M,Gutjahr JC,Pleyer L,Egle A,Hartmann TN,Greil R,Geisberger R	
Journal of immunology (Baltimore, Md. : 1950)	Year 2015
Cytomegalovirus-Induced Expression of CD244 after Liver Transplantation Is Associated with CD8+ T Cell Hyporesponsiveness to Alloantigen.	Species Human
"17-5837 was used in Flow cytometry/Cell sorting to suggest that CMV infection restrains CD8(+) T cell alloresponses after LTx."	
Authors: de Mare-Bredemeijer EL,Shi XL,Mancham S,van Gent R,van der Heide-Mulder M,de Boer R,Heemskerk MH, de Jonge J,van der Laan LJ,Metselaar HJ,Kwekkeboom J	

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