

# CD244 Monoclonal Antibody (eBioDM244), FITC, 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), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioDM244
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_10853661

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	3 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, gamma delta 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.

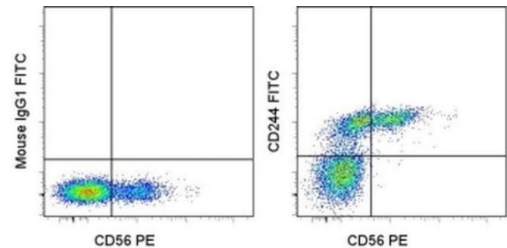
Applications Reported: This eBioDM244 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioDM244 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood. 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 10<sup>5</sup> to 10<sup>8</sup> cells /test.

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

Filtration: 0.2 µm post-manufacturing filtered.

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



**CD244 Antibody (11-5837-42) 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 FITC (Product # 11-4714-42) (left) or Anti-Human CD244 FITC (right). Total viable cells were used for analysis.

3 References

Flow Cytometry (3)

<p>Oncoimmunology</p> <p><b>TIGIT expressing CD4+T cells represent a tumor-supportive T cell subset in chronic lymphocytic leukemia.</b></p> <p>"Published figure using CD244 monoclonal antibody (Product # 11-5837-42) in Flow Cytometry"</p> <p>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</p>	<p>Year 2022</p>
<p>Nature medicine</p> <p><b>A transcriptionally and functionally distinct PD-1<sup>+</sup> CD8<sup>+</sup> T cell pool with predictive potential in non-small-cell lung cancer treated with PD-1 blockade.</b></p> <p>"11-5837 was used in Flow cytometry/Cell sorting to compare transcriptional, metabolic and functional signatures of intratumoral CD8+ T lymphocyte populations with high, intermediate and no PD-1 expression from non-small-cell lung cancer patients."</p> <p>Authors: Thommen DS,Koelzer VH,Herzig P,Roller A,Trefny M,Dimeloe S,Kiialainen A,Hanhart J,Schill C,Hess C,Savic Prince S,Wiese M,Lardinois D,Ho PC,Klein C,Karanikas V,Mertz KD,Schumacher TN,Zippelius A</p>	<p>Year 2018</p> <p>Species Human</p>

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

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