

TIGIT Monoclonal Antibody (MBSA43), 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	MBSA43
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_2573305

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

Product Specific Information

Description: The MBSA43 monoclonal antibody reacts with human T cell immunoreceptor with Ig and ITIM domains (TIGIT), which is also known as VSTM3 or WUCAM. This 26 kDa protein is a member of the poliovirus receptor (PVR) family. The expression of TIGIT has been reported on NK cells, regulatory T cells, follicular T helper cells, memory CD4+ T cells, and CD8+ T cells, but it is not expressed on B cells or naive CD4+ T cells. TIGIT may be upregulated on naive CD4+ T cells upon activation. TIGIT can interact with certain members of the PVR and PVR-like families, including CD155, and also mediates the interaction of NK and T cells with antigen presenting cells, fibroblasts, and endothelial cells that express PVR and PVR-like proteins.

MBSA43 is reported to crossreact with Rhesus macaque.

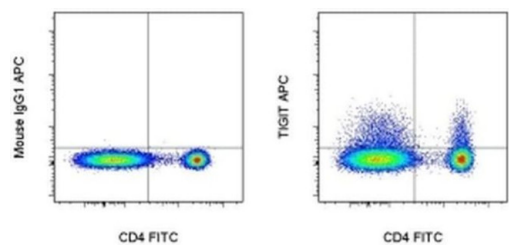
Applications Reported: This MBSA43 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MBSA43 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 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 TIGIT Monoclonal Antibody (MBSA43), APC, eBioscience™



TIGIT Antibody (17-9500-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD4 FITC (Product # 11-0049-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human TIGIT APC (right). Cells in the lymphocyte gate were used for analysis.

5 References

Flow Cytometry (5)

<p>Cells</p> <p>Characterization of T Follicular Helper Cells and T Follicular Regulatory Cells in HIV-Infected and Sero-Negative Individuals.</p> <p>"17-9500-42 was used in Flow cytometry/Cell sorting to identify cytokines in peripheral blood T follicular helper cells and T follicular regulatory cells."</p> <p>Authors: Salvatore B,Resop RS,Gordon BR,Epeldegui M,Martinez-Maza O,Comin-Anduix B,Lam A,Wu TT, Uittenbogaart CH</p>	<p>Year 2023</p> <p>Species Human</p>
<p>AIDS (London, England)</p> <p>TIGIT is upregulated by HIV-1 infection and marks a highly functional adaptive and mature subset of natural killer cells.</p> <p>"17-9500-42 was used in Flow Cytometry to investigate the mechanisms that govern natural killer (NK)-cell responses to HIV."</p> <p>Authors: Vendrame E,Seiler C,Ranganath T,Zhao NQ,Vergara R,Alary M,Labbé AC,Guédou F,Poudrier J,Holmes S, Roger M,Blish CA</p>	<p>Year 2020</p> <p>Species Human</p>

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