

FcεR1 alpha Monoclonal Antibody (MAR-1), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAR-1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466783

Applications	Tested Dilution	Publications
Western Blot (WB)	-	3 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	24 Publications
Immunoprecipitation (IP)	-	1 Publication
Functional Assay (FN)	-	1 Publication

Product Specific Information

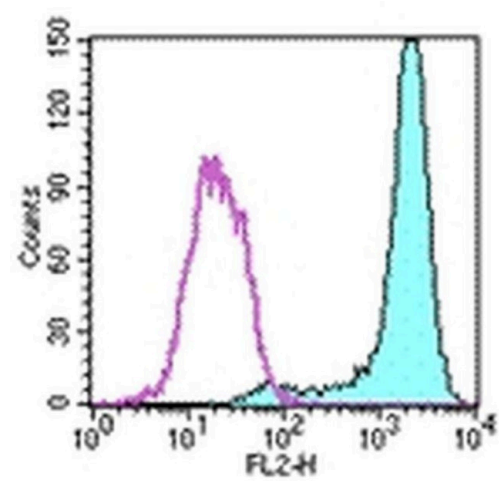
Description: The MAR-1 monoclonal antibody reacts with the Fc epsilon Receptor I alpha subunit, an IgE-binding subunit lacking signal-transducing ability. Fc epsilon RI alpha; is expressed on mast and basophil cells and is up-regulated by the presence of IgE. Fc epsilon RI alpha forms a tetrameric complex with one beta and two gamma subunits. The beta and gamma subunits possess immunoreceptor tyrosine-based activation motifs (ITAM). The Fc epsilon RI complex plays an important role in triggering IgE-mediated allergic reactions.

Applications Reported: The MAR-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The MAR-1 antibody has been tested by flow cytometric analysis of the MC/9 cell line (a mouse mast cell line). This can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For FceR1 alpha Monoclonal Antibody (MAR-1), Biotin, eBioscience™



FceR1 alpha Antibody (13-5898-82) in Flow
Staining of MC/9 cell line with 0.06 µg of Armenian Hamster IgG Isotype Control Biotin (Product # 13-4888-81) (open histogram) or 0.06 µg of Anti-Mouse Fc epsilon Receptor I alpha (Fc epsilon R1) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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31 References

Western Blot (3)

Frontiers in immunology	Year 2019
Positive and Negative Regulatory Roles of C-Terminal Src Kinase (CSK) in FcRI-Mediated Mast Cell Activation, Independent of the Transmembrane Adaptor PAG/CSK-Binding Protein.	
"Published figure using FceR1 alpha monoclonal antibody (Product # 13-5898-82) in Western Blot"	
Authors: Potuckova L, Draberova L, Halova I, Paulenda T, Draber P	
Nature communications	Year 2019
Na⁺-H⁺ exchanger 1 determines atherosclerotic lesion acidification and promotes atherogenesis.	
"Published figure using FceR1 alpha monoclonal antibody (Product # 13-5898-82) in Western Blot"	
Authors: Liu CL, Zhang X, Liu J, Wang Y, Sukhova GK, Wojtkiewicz GR, Liu T, Tang R, Achilefu S, Nahrendorf M, Libby P, Guo J, Zhang JY, Shi GP	

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Immunohistochemistry (1)

Nature medicine	Year 2014
A next-generation dual-recombinase system for time- and host-specific targeting of pancreatic cancer.	
"Published figure using FceR1 alpha monoclonal antibody (Product # 13-5898-82) in Immunofluorescence"	
Authors: Schönhuber N, Seidler B, Schuck K, Veltkamp C, Schachtler C, Zukowska M, Eser S, Feyerabend TB, Paul MC, Eser P, Klein S, Lowy AM, Banerjee R, Yang F, Lee CL, Moding EJ, Kirsch DG, Scheideler A, Alessi DR, Varela I, Bradley A, Kind A, Schnieke AE, Rodewald HR, Rad R, Schmid RM, Schneider G, Saur D	

Immunocytochemistry (1)

New Regulatory Roles of Galectin-3 in High-Affinity IgE Receptor Signaling.

"Published figure using FceR1 alpha monoclonal antibody (Product # 13-5898-82) in Immunofluorescence"

Authors: Bambouskova M,Polakovicova I,Halova I,Goel G,Draberova L,Bugajev V,Doan A,Utekal P,Gardet A,Xavier R.J, Draber P

Year
2016

Species
Human

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- Flow (24)
- IP (1)
- FN (1)

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