

Product Data Sheet

Purified anti-mouse $Fc \in RI\alpha$

Catalog # / Size:	: 134301 / 50 μg 134302 / 500 μg			
Clone:	MAR-1			
Isotype:	Armenian Hamster IgG			
Reactivity:	Mouse	radi	4	
Preparation:	The antibody was purified by affinity chromatography.	um azide.		
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodi	um azide. 🖇 🍟		
Concentration:	0.5 mg/ml	ativ		
Storage:	The antibody solution should be stored undiluted at 4°C.	æ		
Application	S:		10 ⁰ 10 ¹ 10 ² 10 ³ 10 ⁴	
Applications:	FC - Quality tested IHC - Reported in the literature		Log Fluorescence Intensity	
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is $\leq 0.25 \ \mu g \ per \ million \ cells \ in \ 100 \ \mu l \ volume.$ It is recommended that the reagent be titrated for optimal performance for each application.			
Application Notes:	Additional reported applications (for relevant formats of this clone) include: <i>depletion², immunohistochemistry of frozen sections (OCT embedded²).</i>			
Application References:	1. Obata K, et al. 2007. Blood 110:913 (FC) 2. Sokol CL, et al. 2008. Nat. Immunol. 9:310 (FC Deplete IHC) 3. Chen J, et al. 2009. J. Biol. Chem 284:5763 (FC)			
Description:	FccRI α is a transmembrane protein belonging to the Ig superfamily. FccRI α forms a tetrameric complex with one β and two γ -subunits. The FccRI complex plays an important role in triggering IgE-mediated allergic reactions. It is abundantly expressed on mast and basophils and up-regulated by the presence of IgE. Following stimulation via Fcc RI α , mast cells and basophils release bioactive chemical mediators such as histamine, resulting in the initiation of allergic reactions. Cross linking of the high-affinity receptor for IgE on tissue mast cells triggers immediate hypersensitivity with local symptoms. The MAR-1 monoclonal antibody reacts with the FccRI α subunit.			
Antigen References:	1. Arinobu Y, et al. 2005. P. Natl. Acad. Sci. USA 102:1810 2. Yamaguchi M, et al. 2001. Int. Immunol. 13:843.	5.		
Related Products	: Product Purified Armenian Hamster IgG Isotype Ctrl Cell Staining Buffer RBC Lysis Buffer (10X)	Clone HTK888	Application FC, ICC, ICFC, IF, IP, WB FC, ICC, ICFC FC, ICFC	



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.