

Product Datasheet

Fc epsilon RI alpha Antibody (Mar-1) - Chimeric - Azide and BSA Free **NBP3-09005-0.2mg**

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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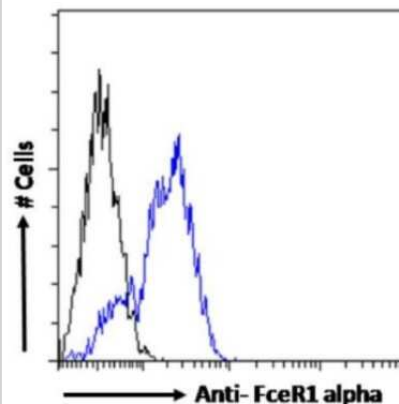
NBP3-09005-0.2mg

Fc epsilon RI alpha Antibody (Mar-1) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Mar-1
Preservative	0.02% Proclin 300
Isotype	IgG Lambda
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	2205
Gene Symbol	FCER1A
Species	Mouse
Specificity/Sensitivity	This antibody specifically targets the non-signalling alpha chain of the FcεR1 complex.
Immunogen	FcεR1 alpha
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunoprecipitation
Application Notes	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original Armenian Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.</p> <p>This antibody has been used in flow cytometric analysis of FcεR1 alpha cell surface expression by basophils (Min et al, 2004; Chen et al, 2009), and immunohistochemical analysis of epidermal sheets (Holzmann et al, 2004). It has also been used in immunoprecipitation analysis of cell lysates from lung cDCs and MC/9 mast cells (Grayson et al, 2007). In vitro incubation of basophils with this antibody blocks subsequent MAR-1 staining, but does not activate basophil IL-4 production (Sokol et al, 2008). Intravenous treatment of mice with this antibody results in basophil depletion in peripheral blood, spleen, bone marrow and liver, but not skin or intraperitoneal mast cell depletion (Sokol et al, 2008). Following treatment with this antibody, basophil-depleted mice display impaired Th2 differentiation upon papain immunisation (Sokol et al, 2008). However, MAR-1 treated mice respond normally to high-dose intravenous Ig in both the K/BxN serum transfer arthritis and collagen-induced arthritis models, despite basophil depletion (Campbell et al, 2014).</p>

Images

Flow Cytometry: Fc epsilon RI alpha Antibody (Mar-1) - Chimeric [NBP3-09005] - Mouse splenocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG-chimeric version of Mar-1 (NBP3-09005, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-09005-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
210-TA-005	TNF-alpha [Unconjugated]
6678-FC-050	Fc epsilon RI alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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