Product Datasheet

Fc epsilon RI alpha Antibody (Mar-1) - Azide and BSA Free
NBP3-09039-0.2mg

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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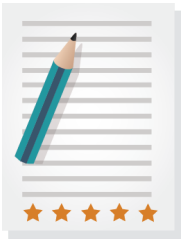

NBP3-09039-0.2mg

Fc epsilon RI alpha Antibody (Mar-1) - 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	
Description	Novus Biologicals Armenian Hamster Fc epsilon RI alpha Antibody (Mar-1) - Azide and BSA Free (NBP3-09039) is a recombinant monoclonal antibody validated for use in IHC, Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Armenian Hamster
Gene ID	2205
Gene Symbol	FCER1A
Species	Mouse
Specificity/Sensitivity	This antibody specifically targets the non-signalling alpha chain of the FceR1 complex.
Immunogen	FceR1 alpha

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunoprecipitation
Application Notes	This antibody has been used in flow cytometric analysis of FceR1 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).

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Products Related to NBP3-09039-0.2mg

NB120-5738	Goat anti-Armenian Hamster IgG (H+L) Secondary Antibody
210-TA-005	TNF-alpha [Unconjugated]
11536-FC-050	Fc epsilon RI alpha [Unconjugated]
6507-IL-010/CF	IL-4 [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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