

For Research Use Only

FcεR1a Polyclonal antibody

Catalog Number: 32501-1-AP



Basic Information

Catalog Number:	32501-1-AP	GenBank Accession Number:	NM_010184.2	Purification Method:	Antigen affinity Purification
Size:	150ul, Concentration: 500 ug/ml by Nanodrop;	GenID (NCBI):	14125	Recommended Dilutions:	IHC 1:1000-1:4000
Source:	Rabbit	UNIPROT ID:	P20489		
Isotype:	IgG	Full Name:	Fc receptor, IgE, high affinity I, alpha polypeptide		
		Calculated MW:	29 kDa		

Applications

Tested Applications: IHC, ELISA
Positive Controls: IHC: mouse spleen tissue, mouse lung tissue

Species Specificity:
mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Background Information

Fc epsilon Receptor I alpha (FcεR1a) is a single-pass type I membrane protein that contains 2 immunoglobulin-like domains. FcεR1a forms a tetrameric complex, FcεRI, with one beta and two gamma subunits (PMID: 19406478). FcεRI is the high-affinity receptor for the Fc region of immunoglobulin E (IgE) (PMID: 1532373). It is expressed on mast cells and basophils and plays a central role in the allergic response (PMID: 2148316).

Storage

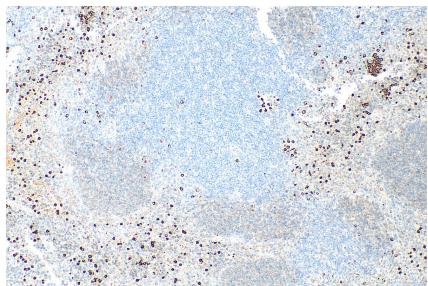
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

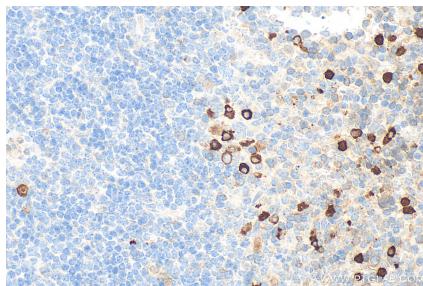
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32501-1-AP (FcεR1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32501-1-AP (FcεR1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).