

For Research Use Only

FceR1a Polyclonal antibody

Catalog Number: 32501-1-AP



Basic Information

Catalog Number:

32501-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010184.2

GeneID (NCBI):

14125

UNIPROT ID:

P20489

Full Name:

Fc receptor, IgE, high affinity I, alpha polypeptide

Calculated MW:

29 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IHC 1:1000-1:4000

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

mouse

Positive Controls:

IHC : mouse spleen tissue, mouse lung tissue

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 (FceR1a) is a single-pass type I membrane protein that contains 2 immunoglobulin-like domains. FceR1a forms a tetrameric complex, FceRI, with one beta and two gamma subunits (PMID: 19406478). FceRI 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

For technical support and original validation data for this product please contact:

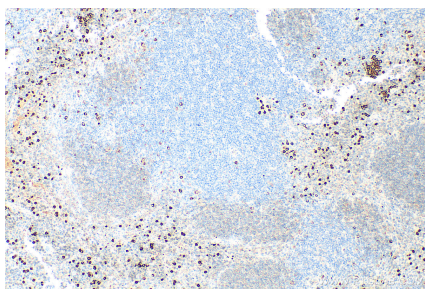
T: 4006900926

E: Proteintech-CN@ptglab.com

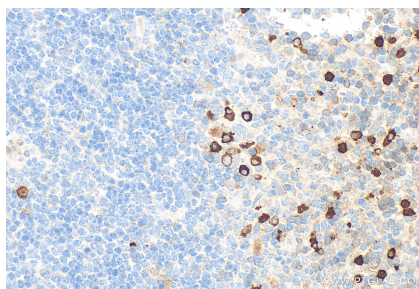
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32501-1-AP (FceR1 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 (FceR1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).