

For Research Use Only

# Mouse FcεR1α Recombinant antibody, PBS Only

Catalog Number: 84816-4-PBS



## Basic Information

<b>Catalog Number:</b> 84816-4-PBS	<b>GenBank Accession Number:</b> NM_010184.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 14125	<b>CloneNo.:</b> 242008D7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20489	
<b>Isotype:</b> IgG	<b>Full Name:</b> Fc receptor, IgE, high affinity I, alpha polypeptide	
	<b>Calculated MW:</b> 29 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
mouse

## Background Information

Fc epsilon Receptor I alpha (FcεR1α) is a single-pass type I membrane protein that contains 2 immunoglobulin-like domains. FcεR1α forms a tetrameric complex 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

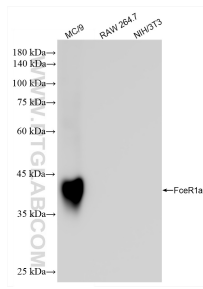
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84816-4-RR (Fc-epsilon RI-alpha (FcεR1) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84816-4-PBS in a different storage buffer formulation.