

For Research Use Only

# FcεR1α Recombinant antibody, PBS Only

Catalog Number: 84662-3-PBS



## Basic Information

<b>Catalog Number:</b> 84662-3-PBS	<b>GenBank Accession Number:</b> NM_001387280.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2205	<b>CloneNo.:</b> 241848D1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P12319	
<b>Isotype:</b> IgG	<b>Full Name:</b> Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	
	<b>Calculated MW:</b> 30kDa	
	<b>Observed MW:</b> 55-65 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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, 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). The calculated molecular weight of FcεR1α is 30 kDa, the 55- to 70-kDa bands detected by this antibody are probably caused by heterogeneous glycosylation (PMID: 11344350; 12671054).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

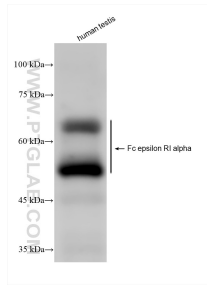
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Human testis was subjected to SDS PAGE followed by western blot with 84662-3-RR (Fc epsilon RI alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84662-3-PBS in a different storage buffer formulation.