

For Research Use Only

# FCER1G Recombinant antibody

Catalog Number: 85390-2-RR



## Basic Information

Catalog Number:

85390-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4442

GenBank Accession Number:

BC033872

GeneID (NCBI):

2207

UNIPROT ID:

P30273

Full Name:

Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide

Calculated MW:

87 aa, 10 kDa

Observed MW:

10 kDa

Purification Method:

Protein A purification

CloneNo.:

242829E3

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, pig

Positive Controls:

WB : THP-1 cells, HL-60 cells, RAW 264.7 cells, pig spleen tissue

## Background Information

FCER1G (Fc receptor gamma-chain, FcRgamma), also known as Fc-epsilon RI-gamma, or IgE Fc receptor subunit gamma (FceRI gamma), is a component of the high-affinity immunoglobulin E (IgE) receptor (Fc epsilon RI) which is a tetrameric complex of one alpha subunit, one beta subunit, and two disulfide-linked gamma subunits (PMID: 2146219; 2531187). Fc epsilon RI is present exclusively on mast cells and basophils, mediating allergic inflammatory signaling (PMID: 17438574). FCER1G is widely expressed and contains an immunoreceptor tyrosine-based activation motif (ITAM) that transduces activation signals from various immunoreceptors (PMID: 19098920).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

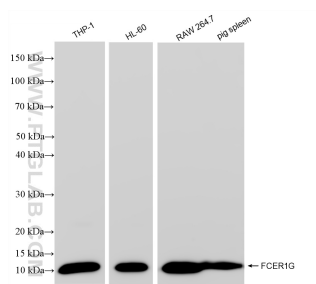
T: 4006900926

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

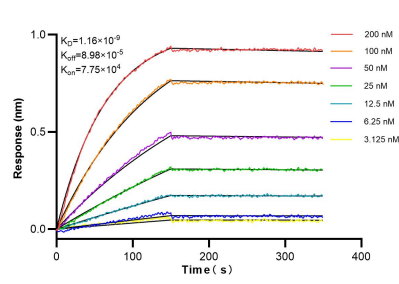
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85390-2-RR (FCER1G antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85390-2-RR against Human FCER1G were performed. The affinity constant is 1.16 nM.