

For Research Use Only

# IGF1 Recombinant antibody

Catalog Number: 84782-5-RR



## Basic Information

Catalog Number:

84782-5-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

AAA41386

GeneID (NCBI):

24482

UNIPROT ID:

P08025

Full Name:

insulin-like growth factor 1

Calculated MW:

14kd

Observed MW:

12 kDa

Purification Method:

Protein A purification

CloneNo.:

241890G6

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

rat

Positive Controls:

WB : rat plasma,

## Background Information

IGF1, also named as IBP1, MGF, IGF-1A, and Somatomedin-C, belongs to the INS family. IGF1 is structurally and functionally related to INS but has a much higher growth-promoting activity. Altered expression or mutation of IGF-1 is associated with several human disorders, including type I diabetes and various forms of cancer. Defects in IGF1 are the cause of INS-like growth factor I deficiency (IGF1 deficiency) which is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness, and mental retardation.

## 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:

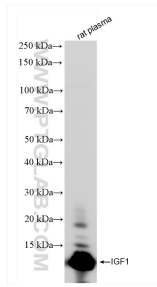
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

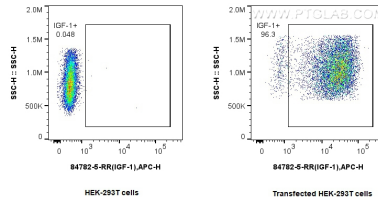
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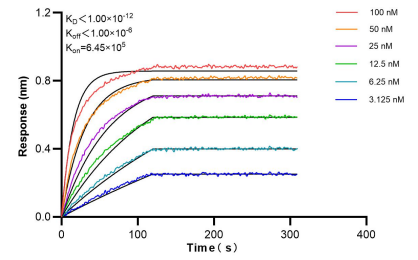
## Selected Validation Data



rat plasma were subjected to SDS PAGE followed by western blot with 84782-5-RR (IGF-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HEK-293T cells or IGF1 Transfected HEK-293T cells were intracellularly stained with 0.25 ug IGF1 Recombinant antibody (84782-5-RR, Clone:241890G6) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84782-5-RR against Rat IGF1 were performed. The affinity constant is below 1 pM.