

For Research Use Only

Kininogen 1 Recombinant antibody

Catalog Number: 84175-5-RR



Basic Information

Catalog Number:

84175-5-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001102416.3

GeneID (NCBI):

3827

UNIPROT ID:

P01042-1

Full Name:

kininogen 1

Calculated MW:

72kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

241397C11

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : human plasma,

Background Information

Kininogens are inhibitors of thiol proteases. Kininogen 1 plays important role in Kinin-kallikrein system. This KNG1 gene contains 10 exons and encodes two proteins through alternative splicing: high molecular weight kininogen (HMWK) (72kDa) and low molecular weight kininogen (LMWK) (48kDa) (PMID: 37442062). HMWK is produced by the liver together with prekallikrein. It acts mainly as a cofactor on coagulation and inflammation, and has no intrinsic catalytic activity. LMWK is produced locally by numerous tissues, and secreted together with tissue kallikrein.

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:

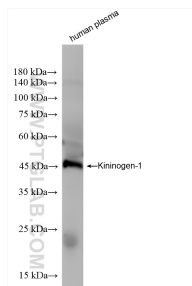
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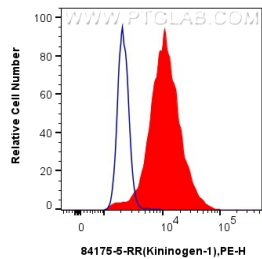
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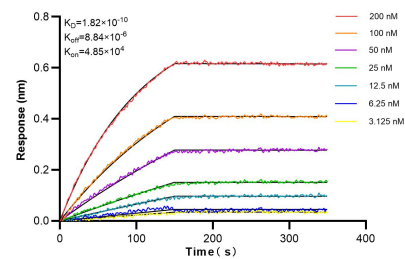
Selected Validation Data



Human plasma was subjected to SDS PAGE followed by western blot with 84175-5-RR (Kininogen-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HT-29 cells were intracellularly stained with 0.25 ug Kininogen-1 Recombinant antibody (84175-5-RR, Clone:241397C.11) (red), or 0.25 ug Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 84175-5-RR against Human Kininogen-1 were performed. The affinity constant is 0.182 nM.