

For Research Use Only

Neutrophil Elastase Recombinant monoclonal antibody

Catalog Number:85965-5-RR



Basic Information

Catalog Number:

85965-5-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG39624

GenBank Accession Number:

NM_001972.4

GeneID (NCBI):

1991

UNIPROT ID:

P08246

Full Name:

elastase 2, neutrophil

Calculated MW:

29KD

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

253414H2

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HL-60 cells,

Background Information

ELA2(Neutrophil elastase) is also named as ELAL, NE, HLE, HNE, PMN-E, SERP1, GE, ELANE and belongs to the peptidase S1 family. It is a 33-kDa enzyme with several isoforms that differ in their extent of glycosylation(PMID:12223222). Human neutrophil elastase (HNE) is a serine protease with potent proteolytic activity (3), which is reported to cause mucin secretion (degranulation)(PMID:12169572). It may contribute to the directed migration of leukocytes into flamed postcapillary venules in addition to contributing to the process of tissue emigration(PMID:9683424). The full length protein has a signal peptide,propeptide and three glycosylation sites.

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:

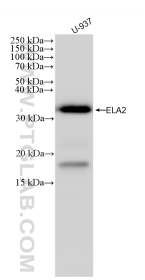
T: 4006900926

E: Proteintech-CN@ptglab.com

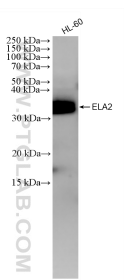
W: ptgcn.com

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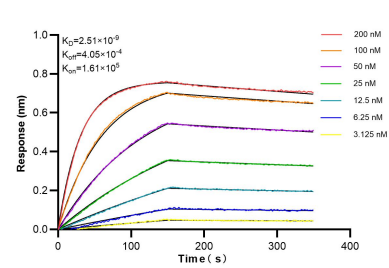
Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 85965-5-RR (ELA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



HL-60 cells were subjected to SDS PAGE followed by western blot with 85965-5-RR (ELA2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85965-5-RR against Human Neutrophil Elastase were performed. The affinity constant is 2.51 nM.