

For Research Use Only

Neutrophil Elastase Recombinant monoclonal antibody, PBS Only

Catalog Number: 85965-5-PBS



Basic Information

Catalog Number: 85965-5-PBS	GenBank Accession Number: NM_001972.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1991	CloneNo.: 253414H2
Source: Rabbit	UNIPROT ID: P08246	
Isotype: IgG	Full Name: elastase 2, neutrophil	
Immunogen Catalog Number: AG39624	Calculated MW: 29KD	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

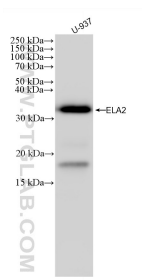
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

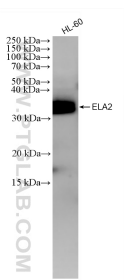
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

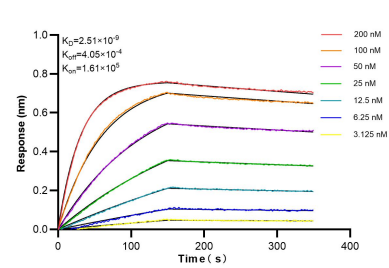
Selected Validation Data



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. This data was developed using the same antibody clone with 85965-5-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 85965-5-PBS in a different storage buffer formulation.



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