

For Research Use Only

FITC Plus Anti-Mouse Neutrophil elastase Rabbit Recombinant Antibody

Catalog Number: FITC-98197



Basic Information

Catalog Number: FITC-98197	GenBank Accession Number: NM_015779.2	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 50701	CloneNo.: 241842G3
Source: Rabbit	UNIPROT ID: Q3UP87	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG	Full Name: elastase 2, neutrophil	
Immunogen Catalog Number: EG2126	Calculated MW: 29KD	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

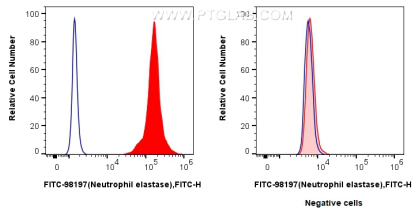
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse bone marrow cells (left) or NIH/3T3 cells (right) were intracellularly stained with 0.25 ug FITC Plus Anti-Mouse Neutrophil elastase Rabbit RecAb (FITC-98197, Clone: 241842G3) (red) or FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).