

For Research Use Only

CoraLite® Plus 488 Anti-Human Neutrophil Elastase Rabbit Recombinant Antibody

Catalog Number: CL488-98499



Basic Information

Catalog Number: CL488-98499	GenBank Accession Number: NM_001972.4	Purification Method: Protein A purification
Size: 100tests , 5 ul/test	GeneID (NCBI): 1991	CloneNo.: 250346G5
Source: Rabbit	UNIPROT ID: P08246	Recommended Dilutions: FC (Intra): 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: elastase 2, neutrophil	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG3192	Calculated MW: 29KD	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : human blood granulocytes,
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, 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.

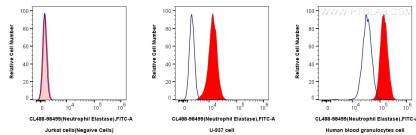
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, 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)
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Selected Validation Data



1x10⁶ human blood granulocytes or U-937 cells or Jurkat cells (Negative cells) were intracellularly stained with 5 ul CoraLite® Plus 488 Anti-Human Neutrophil Elastase Rabbit RecAb (CL488-98499, Clone:250346G5) (red), or CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were fixed and permeabilized with Intracellular

