



Anti-ELASTASE (RABBIT) Antibody - 100-4168

Code: 100-4168

Size: 2 mL

Product Description: Anti-ELASTASE (RABBIT) Antibody - 100-4168

Concentration: 80 mg/mL by Refractometry

Physical State: Lyophilized

Label	Unconjugated
Host	Rabbit
Gene Name	CELA1
Species Reactivity	swine
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-Elastase Antibody, Fecal pancreatic elastase 1 antibody, HLE antibody, Medullasin antibody, Pancreatic elastase IIA antibody, PE 1 antibody, PE1 antibody, Protease E antibody
Application Note	Elastase antibody has been tested for functionality in ELISA and western blot. Usage in other immunoassays such as immunohistochemistry is expected but has not been determined. Optimal concentrations should be determined by researcher.
Background	Anti elastase antibody detects elastase enzyme. Elastase breaks down elastin, an elastic fiber that, together with collagen, determines the mechanical properties of connective tissue. The specific peptide bonds cleaved are those on the carboxy side of small, hydrophobic amino acids such as glycine, alanine, and valine.
Purity And Specificity	Elastase antibody was prepared from monospecific antiserum by a delipidation and defibrillation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Elastase [Porcine Pancreas]. Cross reactivity against Elastase from other tissues and species may occur but have not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:20,000 - 1:100,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Elastase [Porcine Pancreas]
General Reference	Horwitz M, Benson KF, Person RE, Aprikyan AG, Dale DC (1999). "Mutations in ELA2, encoding neutrophil elastase, define a 21-day biological clock in cyclic haematopoiesis". Nat. Genet. 23 (4): 433–6. DOI:10.1038/70544. PMID 10581030.
Related Products	
B304	NORMAL GOAT SERUM (NGS) - B304
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070

Related Links

UniProtKB - P00772

<http://www.uniprot.org/uniprot/P00772>

NCBI - P00772.1 <http://www.ncbi.nlm.nih.gov/protein/P00772.1>

GeneID - 396766

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