

Datasheet for 100-4168**Elastase Antibody****Overview**

Description:	Anti-ELASTASE (RABBIT) Antibody - 100-4168
Item No.:	100-4168
Size:	2 mL
Reactivity:	Pig
Host Species:	Rabbit

Product Details

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.
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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	CELA1
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Elastase [Porcine Pancreas]
Purity/Specificity:	Elastase antibody was prepared from monospecific antiserum by a delipidation and defibrination. 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.
Relevant Links:	• UniProtKB - P00772

- [NCBI - NP_998988.1](#)
- [GeneID - 396766](#)

Application Details

Application Note:	Elastase antibody is suitable for 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	User Optimized
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	80 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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