



[Go to Product page](#)

Datasheet for ABIN1607801
anti-Elastase antibody (Biotin)

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | Elastase |
| Reactivity: | Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Elastase antibody is conjugated to Biotin |
| Application: | ELISA, Western Blotting (WB) |

Product Details

| | |
|-----------------------------|--|
| Immunogen: | Elastase [Porcine Pancreas] Immunogen Type: Native Protein |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Cross reactivities against Elastase from other sources may occur but have not been specifically determined. |
| Purity: | Anti-Elastase (Rabbit) Antibody Biotin Conjugated is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified Elastase [Porcine Pancreas]. |
| Endotoxin Level: | Low Endotoxin : No |

Target Details

| | |
|-------------|---|
| Target: | Elastase |
| Abstract: | Elastase Products |
| Background: | Anti-Elastase antibody detects the Elastase protein. Elastase metabolizes elastin, an elastic fiber, which together with collagen, determines the mechanical properties of connective tissue. The neutrophil form breaks down the Outer membrane protein A (OmpA) of E. coli and other Gram-negative bacteria. Elastase also has the important immunological role of breaking down Shigella virulence factors. This is accomplished through the cleavage of peptide bonds in the target proteins. The specific peptide bonds cleaved are those on the carboxy side of small, hydrophobic amino acids such as glycine, alanine, and valine. This antibody is suitable for researchers investigating biochemistry and stem cells. Synonyms: Fecal pancreatic elastase 1 antibody, HLE antibody, Medullasin antibody, Pancreatic elastase IIA antibody, PE 1 antibody, PE1 antibody, Protease E antibody |
| Gene ID: | 396766 |
| UniProt: | P00772 |

Application Details

| | |
|--------------------|---|
| Application Notes: | Anti-Elastase Antibody has been assayed against 1.0 µg of Elastase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for Anti-Elastase Antibody ELISA Dilution: 1:5.000 - 1:25.000 Western Blot Dilution: 1:500 - 1:3.000 |
| Restrictions: | For Research Use only |

Handling

| | |
|------------------|--|
| Format: | Liquid |
| Concentration: | 10 mg/mL |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Handling Advice: | Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| Storage: | -20 °C |

Handling

Storage Comment: Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date: Expiration date is one (1) year from date of opening.