

Product datasheet for R1078

CELA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Suitable for Immunoblotting (Western or Dot blot), ELISA, Immunoprecipitation and most immunological methods requiring high titer and specificity. <u>Recommended Dilutions:</u> This product has been assayed against 1.0 ug of Elastase [Porcine Pancreas] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:5,000 to 1:20,000 of the reconstitution concentration is suggested for this product.
Reactivity:	Porcine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Elastase from Porcine pancreas.
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against purified and partially purified Elastase [Porcine Pancreas]. Cross reactivity against Elastase from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide as preservative. State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Prepared from monospecific antiserum by a delipidation and defibrination.
Conjugation:	Unconjugated



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Storage:	<p>Store vial at 2-8°C prior to restoration. Centrifuge product if not completely clear after standing at room temperature. For extended storage aliquot contents and freeze at -20°C or below.</p> <p>This product is stable for one month at 2-8°C as an undiluted liquid.</p> <p>Dilute only prior to immediate use.</p> <p>Avoid cycles of freezing and thawing.</p>
Stability:	<p>Shelf life: One year from despatch.</p>
Database Link:	<p>Entrez Gene 396766 Pig P00772</p>
Background:	<p>Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Elastase is a serine protease which exhibits endopeptidase activity on many proteins, its principal substrate, however, is elastin and it is unique among proteases in its ability to hydrolyse native elastin. It is present in the pancreas, leukocytes and serum. Elastase consists of a single polypeptide chain with a molecular weight of 29.5kDa. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Like most of the human elastases, elastase 2A is secreted from the pancreas as a zymogen. In other species, elastase 2A has been shown to preferentially cleave proteins after leucine, methionine, and phenylalanine residues. Elastase 1 is not a pancreatic enzyme: clinical literature that describes human elastase 1 activity in the pancreas is actually referring to elastase 2A.</p>
Synonyms:	<p>ELA1, CELA1</p>