

Bovine Elastase 3B ELISA Kit | ELA3B elisa kit

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CATALOG #
AAA95443

REACTIVITY
Bovine

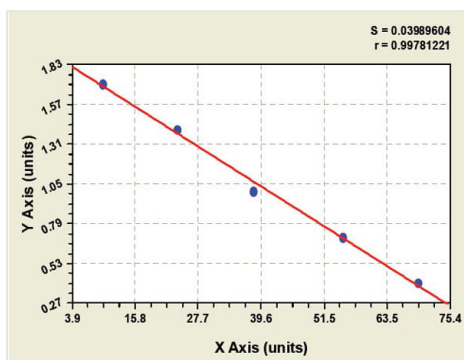
PRODUCT SYNONYMS

Elastase 3B; Bovine Elastase 3B ELISA Kit; ELA3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ELA3B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ELA3B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ELA3B elisa kit

Principle of the assay: ELA3B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ELA3B antibody and an ELA3B-HRP conjugate. The assay sample and buffer are incubated together with ELA3B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ELA3B concentration since ELA3B from samples and ELA3B-HRP conjugate compete for the anti-ELA3B antibody binding site. Since the number of sites is limited, as more sites are occupied by ELA3B from the sample, fewer sites are left to bind ELA3B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ELA3B concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ELA3B elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	13528831
NCBI GeneID	23436
Molecular Weight	29,263 Da
NCBI Official Full Name	ELA3B protein
NCBI Official Synonym Full Names	chymotrypsin-like elastase family, member 3B
NCBI Official Symbol	CELA3B
NCBI Official Synonym Symbols	E1; CBPP; EL-1; ELA3B
NCBI Protein Information	chymotrypsin-like elastase family member 3B; elastase 1; protease E; elastase-3B; proteinase E; elastase IIIB; fecal elastase 1; pancreatic elastase 1; elastase 3B, pancreatic; pancreatic endopeptidase E; cholesterol-binding pancreatic protease
UniProt Protein Name	Chymotrypsin-like elastase family member 3B
UniProt Gene Name	CELA3B
UniProt Synonym Gene Names	ELA3B
UniProt Entry Name	CEL3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ela3b-bovine-ovine-elisa-kits/elastase-3b/95443>