

Human Elastase 3B ELISA Kit | ELA3B elisa kit

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CATALOG #
AAA94855

REACTIVITY
Human

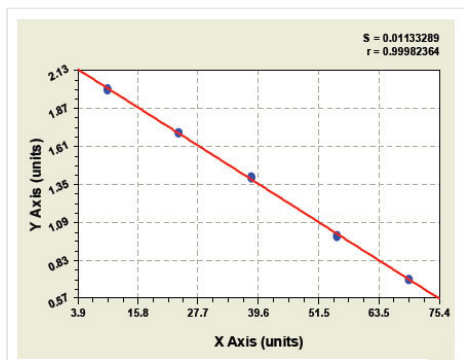
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ELA3B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 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.

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.