

Sheep Elastase 4 ELISA Kit | ELA4 elisa kit

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CATALOG #
AAA91401

REACTIVITY
Sheep

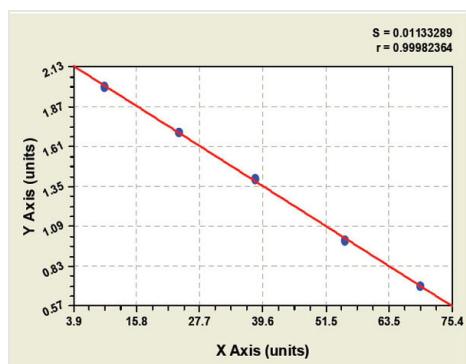
PRODUCT SYNONYMS

Elastase 4; Sheep Elastase 4 ELISA Kit; ELA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This ELA4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ELA4. 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 ELA4 elisa kit

Principle of the Assay: ELA4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ELA4 antibody and an ELA4-HRP conjugate. The assay sample and buffer are incubated together with ELA4-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 ELA4 concentration since ELA4 from samples and ELA4-HRP conjugate compete for the anti-ELA4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ELA4 from the sample, fewer sites are left to bind ELA4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ELA4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ELA4 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62526043
NCBI GeneID	11330
NCBI Accession #	NP_009203.2
NCBI GenBank Nucleotide #	NM_007272.2
Molecular Weight	29,484 Da
NCBI Official Full Name	chymotrypsin-C preproprotein
NCBI Official Synonym Full Names	chymotrypsin C (caldecrin)
NCBI Official Symbol	CTRC
NCBI Official Synonym Symbols	CLCR; ELA4
NCBI Protein Information	chymotrypsin-C; caldecrin; elastase 4; elastase IV; serum calcium decreasing factor
UniProt Protein Name	Chymotrypsin-C
UniProt Gene Name	CTRC
UniProt Synonym Gene Names	CLCR
UniProt Entry Name	CTRC_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/ela4-sheep-elisa-kits/elastase-4/91401>