

Sheep Kallikrein 7 ELISA Kit | KLK7 elisa kit

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CATALOG #
AAA89552

REACTIVITY
Sheep

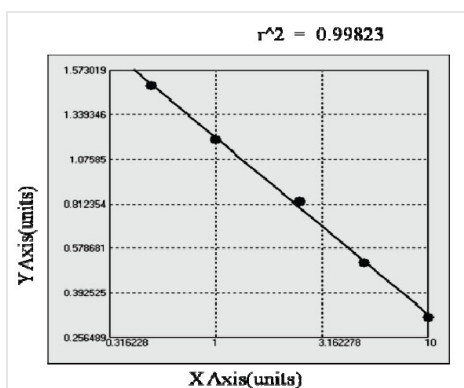
PRODUCT SYNONYMS

Kallikrein 7; Sheep Kallikrein 7 ELISA Kit; KLK7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KLK7 elisa kit

For Sample Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This KLK7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep KLK7. This ELISA kit for research use only!

Principle of the Assay: KLK7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-KLK7 antibody and an KLK7-HRP conjugate. The assay sample and buffer are incubated together with KLK7-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 KLK7 concentration since KLK7 from samples and KLK7-HRP conjugate compete for the anti-KLK7 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLK7 from the sample, fewer sites are left to bind KLK7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLK7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333609286
NCBI GeneID	5650
NCBI Accession #	NP_001193982.1
NCBI GenBank Nucleotide #	NM_001207053.1
Molecular Weight	19,887 Da
NCBI Official Full Name	kallikrein-7 isoform 2
NCBI Official Synonym Full Names	kallikrein-related peptidase 7
NCBI Official Symbol	KLK7
NCBI Official Synonym Symbols	hK7; SCCE; PRSS6
NCBI Protein Information	kallikrein-7; signal protein; serine protease 6; stratum corneum chymotryptic enzyme; kallikrein 7 (chymotryptic, stratum corneum)
UniProt Protein Name	Kallikrein-7
UniProt Gene Name	KLK7
UniProt Synonym Gene Names	PRSS6; SCCE; hK7; hSCCE
UniProt Entry Name	KLK7_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.