

Sheep Hyaluronidase-1 (HYAL1) ELISA Kit | HYAL1 elisa kit

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CATALOG #
AAA246457

REACTIVITY
Sheep

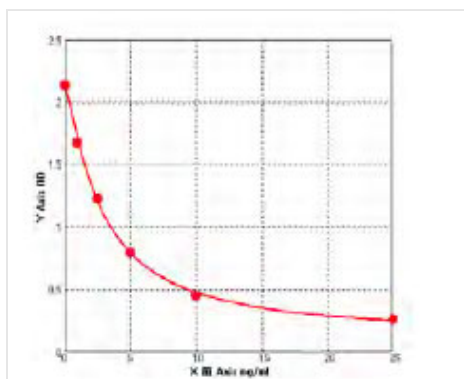
PRODUCT SYNONYMS

Hyaluronidase-1 (HYAL1); Sheep Hyaluronidase-1 (HYAL1) ELISA Kit; HYAL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of HYAL1. No significant cross-reactivity or interference between HYAL1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HYAL1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 HYAL1 elisa kit	Intended Uses: This HYAL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HYAL1. This ELISA kit for research use only! Principle of the Assay: HYAL1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-HYAL1 antibody and an HYAL1-HRP conjugate. The assay sample and buffer are incubated together with HYAL1-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 HYAL1 concentration since HYAL1 from samples and HYAL1-HRP conjugate compete for the anti-HYAL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by HYAL1 from the sample, fewer sites are left to bind HYAL1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HYAL1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HYAL1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	24497566
NCBI GeneID	3373
NCBI Accession #	NP_695014.1
NCBI GenBank Nucleotide #	NM_153282.2
Molecular Weight	37,439 Da
NCBI Official Full Name	hyaluronidase-1 isoform 2
NCBI Official Synonym Full Names	hyaluronoglucosaminidase 1
NCBI Official Symbol	HYAL1
NCBI Official Synonym Symbols	NAT6; LUCA1; HYAL-1
NCBI Protein Information	hyaluronidase-1; luCa-1; plasma hyaluronidase; tumor suppressor LUCA-1; lung carcinoma protein 1
UniProt Protein Name	Hyaluronidase-1
UniProt Gene Name	HYAL1
UniProt Synonym Gene Names	LUCA1; Hyal-1; LuCa-1
UniProt Entry Name	HYAL1_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.