

Hyaluronidase1/HYAL1 ELISA Kit | HYAL1 elisa kit

Human Hyaluronidase1/HYAL1 PicoKine ELISA Kit

CATALOG # AAA124879	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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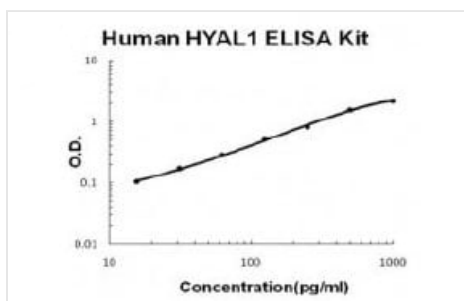
PRODUCT SYNONYMS

Hyaluronidase1/HYAL1; Human Hyaluronidase1/HYAL1 PicoKine ELISA Kit; Hyaluronidase-1; Hyal-1; Hyaluronoglucosaminidase-1; Lung carcinoma protein 1; LuCa-1; HYAL1; LUCA1; HYAL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human Hyaluronidase1/HYAL1
Sequence Length	336
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for HYAL1 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HYAL1 elisa kit	Principle of the Assay: Human Hyaluronidase1/HYAL1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Hyaluronidase1/HYAL1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: F22-W435) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for Hyaluronidase1/HYAL1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Hyaluronidase1/HYAL1 amount of sample captured in plate. Background: Hyaluronidase-1, also known as HYAL1 or LUCA1, is an enzyme that in humans is encoded by the HYAL1 gene. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24497562
NCBI GeneID	3373
NCBI Accession #	NP_149349.2
NCBI GenBank Nucleotide #	NM_033159.3
UniProt Accession #	Q12794; Q6FH23; Q6PIZ6; Q7KYU2; Q7LE34; Q8NFK5; Q8NFK6; Q8NFK7; Q8NFK8; Q8NFK9; Q93013; Q9UKD5
Molecular Weight	37,439 Da
NCBI Official Full Name	hyaluronidase-1 isoform 1
NCBI Official Synonym Full Names	hyaluronoglucosaminidase 1
NCBI Official Symbol	HYAL1
NCBI Official Synonym Symbols	MPS9; NAT6; LUCA1; HYAL-1
NCBI Protein Information	hyaluronidase-1
UniProt Protein Name	Hyaluronidase-1
UniProt Gene Name	HYAL1
UniProt Synonym Gene Names	LUCA1; Hyal-1; LuCa-1

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.