

Human Hyaluronidase-2 ELISA Kit | HYAL2 elisa kit

Human Hyaluronidase-2 ELISA Kit

CATALOG #
AAA101266

REACTIVITY
Human

PRODUCT SYNONYMS

Hyaluronidase-2; Human Hyaluronidase-2 ELISA Kit; HYAL2 (Hyaluronidase-2)/Hyaluronoglucosaminidase-2/Lung carcinoma protein 2/LuCa-2/LUCA2/Hyal-2; HYAL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPA5. No significant cross-reactivity or interference between HSPA5 and analogues was observed.
Sequence Length	473
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPA5 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSPA5 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a HYAL2 ELISA KIT are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.077	0.152	0.209	0.363	0.67	1.2	2.003	2.488

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HYAL2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-HSPA5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-HSPA5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 HSPA5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of HSPA5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34304377
NCBI GeneID	8692
NCBI Accession #	NP_149348.2
NCBI GenBank Nucleotide #	NM_033158.4
Molecular Weight	53,860 Da
NCBI Official Full Name	hyaluronidase-2
NCBI Official Synonym Full Names	hyaluronoglucosaminidase 2
NCBI Official Symbol	HYAL2
NCBI Official Synonym Symbols	LUCA2
NCBI Protein Information	hyaluronidase-2
UniProt Protein Name	Hyaluronidase-2
UniProt Gene Name	HYAL2
UniProt Synonym Gene Names	LUCA2; Hyal-2; LuCa-2
UniProt Entry Name	HYAL2_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/hyal2-human-elisa-kits/hyaluronidase-2/101266>