

ARG81618 Human HYAL1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81618-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81618-002	Standard	2 X 10 ng/vial	4°C
ARG81618-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81618-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81618-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81618-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81618-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81618-008	25X Wash buffer	20 ml	4°C
ARG81618-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81618-010	STOP solution	10 ml (Ready to use)	4°C
ARG81618-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81618 Human HYAL1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human HYAL1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	HYAL1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.1% Inter-Assay CV: 6.8%
Alternate Names	LUCA1; Lung carcinoma protein 1; EC 3.2.1.35; NAT6; Hyal-1; LuCa-1; HYAL-1; Hyaluronoglucosaminidase-1; Hyaluronidase-1; MPS9

Application Instructions

Assay Time	~ 5 hours
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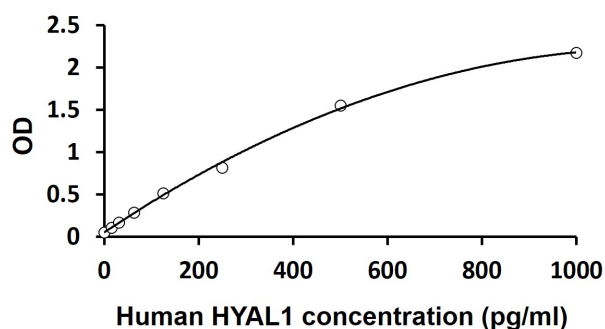
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HYAL1
Gene Full Name	hyaluronoglucosaminidase 1
Background	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. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	May have a role in promoting tumor progression. May block the TGFB1-enhanced cell growth. [UniProt]
Highlight	Related products: HYAL1 antibodies ; HYAL1 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81618 Human HYAL1 ELISA Kit standard curve image

ARG81618 Human HYAL1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.