

Datasheet for ABIN5692203

HYAL1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	HYAL1
Binding Specificity:	AA 22-435
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Hyaluronidase1/HYAL1. 96wells/kit, with removable strips.
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Cell Lysate, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NS0, Immunogen sequence: F22-W435
Sensitivity:	< 10 pg/mL
Components:	96-well plate precoated with antibody lyophilized recombinant standard

Product Details

biotinylated antibody (dilution 1:100)
Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)
Sample diluent buffer
Antibody diluent buffer
ABC diluent buffer
TMB color developing agent
TMB stop solution
Adhesive cover

Target Details

Target:	HYAL1
Alternative Name:	HYAL1 (HYAL1 Products)
Background:	<p>Synonyms: Hyaluronidase-1, Hyal-1, Hyaluronoglucosaminidase-1, Lung carcinoma protein 1, LuCa-1, HYAL1, LUCA1</p> <p>Tissue Specificity: Highly expressed in the liver, kidney and heart. Weakly expressed in lung, placenta and skeletal muscle. No expression detected in adult brain. Isoform 1 is expressed only in bladder and prostate cancer cells, G2/G3 bladder tumor tissues and lymph node specimens showing tumor invasive tumors cells. Isoform 3, isoform 4, isoform 5 and isoform 6 are expressed in normal bladder and bladder tumor tissues.</p> <p>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.</p> <p>Cellular Localisation: Secreted</p>
UniProt:	Q12794
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Assay Time:	15 min
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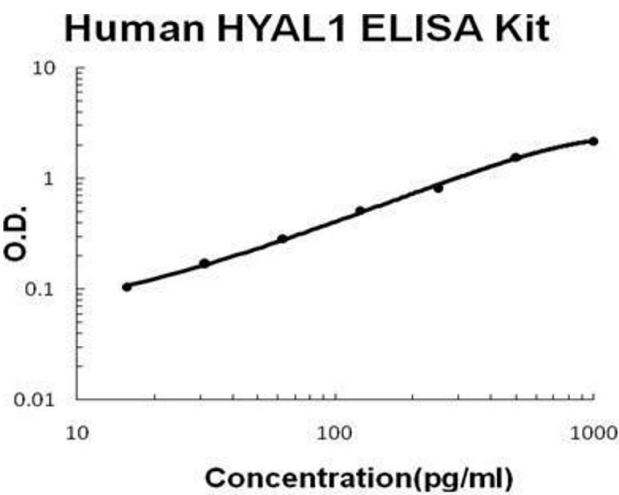
Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months

Images



ELISA

Image 1. Human HYAL1 PicoKine ELISA Kit standard curve