

Rat Hyaluronic Acid ELISA Kit | HA elisa kit

Rat Hyaluronic Acid ELISA Kit

CATALOG #
AAA16349

REACTIVITY
Rat

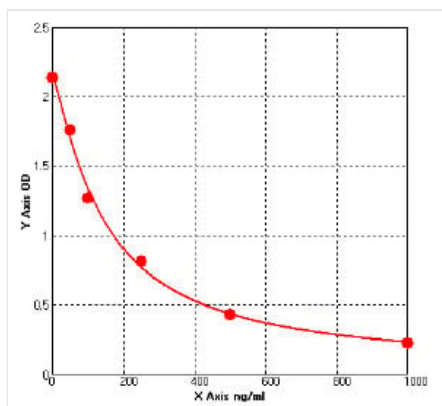
PRODUCT SYNONYMS

Hyaluronic Acid; Rat Hyaluronic Acid ELISA Kit; HA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HA. No significant cross-reactivity or interference between HA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HA 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HA elisa kit	Intended Uses: This HA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: HA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HA antibody and an HA-HRP conjugate. The assay sample and buffer are incubated together with HA-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 HA concentration since HA from samples and HA-HRP conjugate compete for the anti-HA antibody binding site. Since the number of sites is limited, as more sites are occupied by HA from the sample, fewer sites are left to bind HA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HA elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	10800122
NCBI GeneID	10894
Molecular Weight	35,213 Da
NCBI Official Full Name	hyaluronic acid receptor
NCBI Official Synonym Full Names	lymphatic vessel endothelial hyaluronan receptor 1
NCBI Official Symbol	LYVE1
NCBI Official Synonym Symbols	HAR; XLKD1; LYVE-1; CRSBP-1
NCBI Protein Information	lymphatic vessel endothelial hyaluronic acid receptor 1; extracellular link domain containing 1; extracellular link domain-containing 1; extracellular link domain-containing protein 1; cell surface retention sequence binding protein-1; cell surface retention sequence-binding protein 1
UniProt Protein Name	Lymphatic vessel endothelial hyaluronic acid receptor 1
UniProt Gene Name	LYVE1
UniProt Synonym Gene Names	CRSBP1; HAR; XLKD1; UNQ230/PRO263; LYVE-1; CRSBP-1
UniProt Entry Name	LYVE1_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.