

Human Glypican 1 ELISA Kit | GPC1 elisa kit

Human Glypican 1 ELISA Kit

CATALOG #
AAA87841

REACTIVITY
Human

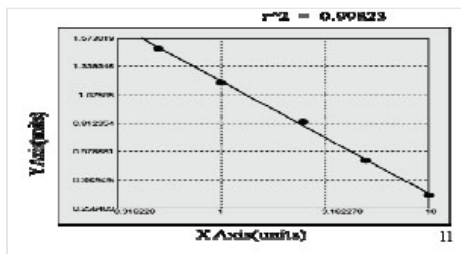
PRODUCT SYNONYMS

Glypican 1; Human Glypican 1 ELISA Kit; GPC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GPC-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GPC-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPC1 elisa kit

Principle of the assay: GPC-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPC-1 antibody and an GPC-1-HRP conjugate. The assay sample and buffer are incubated together with GPC-1-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 GPC-1 concentration since GPC-1 from samples and GPC-1-HRP conjugate compete for the anti-GPC-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPC-1 from the sample, fewer sites are left to bind GPC-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPC-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GPC1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	167001141
NCBI GeneID	2817
NCBI Accession #	NP_002072.2
NCBI GenBank Nucleotide #	NM_002081.2
Molecular Weight	31,931 Da
NCBI Official Full Name	glypican-1
NCBI Official Synonym Full Names	glypican 1
NCBI Official Symbol	GPC1
NCBI Official Synonym Symbols	glypican
NCBI Protein Information	glypican-1; glypican proteoglycan 1
UniProt Protein Name	Glypican-1
UniProt Gene Name	GPC1
UniProt Entry Name	GPC1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gpc1-human-elisa-kits/glypican-1/87841>