

Human Glypican 3 ELISA Kit | GPC3 elisa kit

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CATALOG #
AAA16635

REACTIVITY
Human

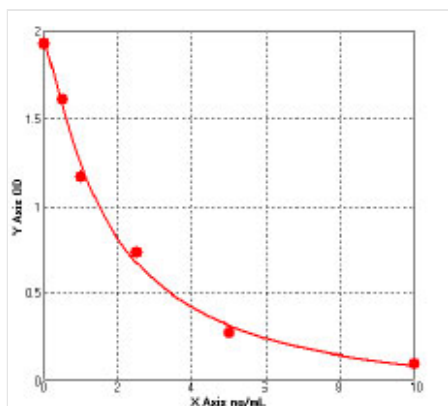
PRODUCT SYNONYMS

Glypican 3; Human Glypican 3 ELISA Kit; GPC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GPC3. No significant cross-reactivity or interference between GPC3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GPC3 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	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPC3 elisa kit	Intended Uses: This GPC3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GPC3. This ELISA kit for research use only! Principle of the Assay: GPC3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GPC3 antibody and an GPC3-HRP conjugate. The assay sample and buffer are incubated together with GPC3-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 GPC3 concentration since GPC3 from samples and GPC3-HRP conjugate compete for the anti-GPC3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPC3 from the sample, fewer sites are left to bind GPC3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPC3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GPC3 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	257471010
NCBI GeneID	2719
NCBI Accession #	NP_001158091.1
NCBI GenBank Nucleotide #	NM_001164619.1
Molecular Weight	68,414 Da
NCBI Official Full Name	glypican-3 isoform 4
NCBI Official Synonym Full Names	glypican 3
NCBI Official Symbol	GPC3
NCBI Official Synonym Symbols	SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2
NCBI Protein Information	glypican-3; secreted glypican-3; glypican proteoglycan 3; intestinal protein OCI-5; heparan sulphate proteoglycan
UniProt Protein Name	Glypican-3
UniProt Gene Name	GPC3
UniProt Synonym Gene Names	OCI5
UniProt Entry Name	GPC3_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.