

Goat Glypican 3 ELISA Kit | GPC3 elisa kit

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CATALOG #
AAA89606

REACTIVITY
Goat

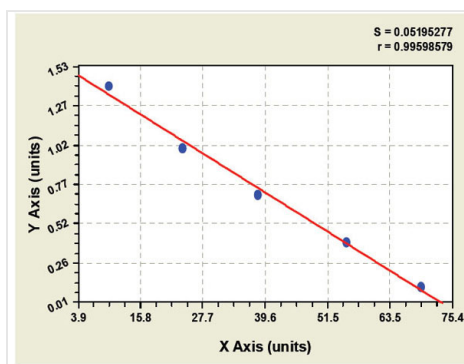
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This GPC3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat GPC3. 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 GPC3 elisa kit

Principle of the Assay: GPC3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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Online datasheet: <https://stage.aaabiotech.com/gpc3-goat-elisa-kits/glypican-3/89606>