

Mouse Glypican 4 ELISA Kit | GPC4 elisa kit

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CATALOG #
AAA84669

REACTIVITY
Mouse

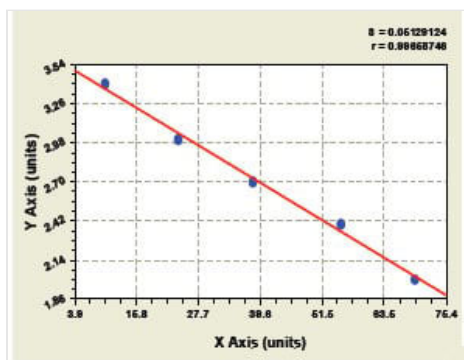
PRODUCT SYNONYMS

Glypican 4; Mouse Glypican 4 ELISA Kit; GPC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This GPC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse GPC4. 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 GPC4 elisa kit

Principle of the assay: GPC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPC4 antibody and an GPC4-HRP conjugate. The assay sample and buffer are incubated together with GPC4-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 GPC4 concentration since GPC4 from samples and GPC4-HRP conjugate compete for the anti-GPC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPC4 from the sample, fewer sites are left to bind GPC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPC4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21614525
NCBI GeneID	2239
NCBI Accession #	NP_001439.2
NCBI GenBank Nucleotide #	NM_001448.2
Molecular Weight	62,412 Da
NCBI Official Full Name	glypican-4
NCBI Official Synonym Full Names	glypican 4
NCBI Official Symbol	GPC4
NCBI Official Synonym Symbols	K-glypican
NCBI Protein Information	glypican-4; dJ900E8.1 (glypican 4); glypican proteoglycan 4
UniProt Protein Name	Glypican-4
UniProt Gene Name	GPC4
UniProt Synonym Gene Names	UNQ474/PRO937
UniProt Entry Name	GPC4_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.