

## Mouse Glypican 4 ELISA Kit | GPC4 elisa kit

Mouse Glypican 4 ELISA Kit

CATALOG #  
**AAA84669**

REACTIVITY  
**Mouse**

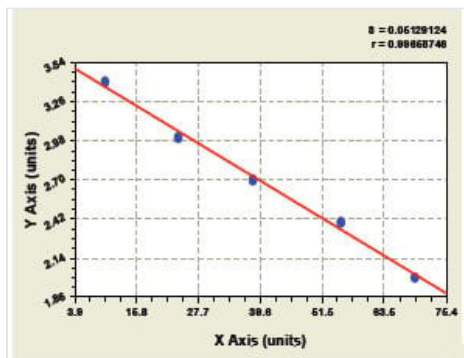
### PRODUCT SYNONYMS

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                | <b>GPC4</b>                                                 |
| 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.