

Mouse Fructose-1,6-bisphosphatase isozyme 2 (FBP2) ELISA Kit

Catalog No: #EK11604

Orders: order@signalwayantibody.com

Package Size: #EK11604-1 48T #EK11604-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Fructose-1,6-bisphosphatase isozyme 2 (FBP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	MGC142192; D-fructose-1;6-bisphosphate 1-phosphohydrolase FBPase fructose-1;6-bisphosphatase isozyme 2 hexosediphosphatase muscle fructose-bisphosphatase
Accession No.	P70695
Uniprot	P70695
GeneID	14120;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:62.5-4000 pg/mL

Sensitivity:23.9 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate FBP2 in samples. An antibody specific for FBP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFBP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FBP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FBP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Insulin-like growth factor binding protein-2 (IGFBP-2) is one of six characterized IGFBPs which specifically bind and modulate the actions of IGF-I and IGF-II. The binding affinity of IGFBP-2 for IGF-II is estimated to be significantly higher than for IGF-I, suggesting a role in regulation of IGF-II action. Studies in the fetal sheep indicate that IGFBP-2 is produced in many tissues, apparently coincident with IGF-II expression.

Note: This product is for in vitro research use only