Human SH3 domain-binding glutamic acid-rich-like protein (SH3BGRL) ELISA Kit

Catalog No: #EK7344

Package Size: #EK7344-1 48T #EK7344-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human SH3 domain-binding glutamic acid-rich-like protein (SH3BGRL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC117402; SH3BGR; SH3-binding domain glutamic acid-rich protein like
Accession No.	Q9UJC5
Uniprot	Q9UJC5
GeneID	83699;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SH3BGRL in samples. An antibody specific for SH3BGRL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySH3BGRL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SH3BGRL 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 SH3BGRL bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Proline-rich peptide sequences have been shown to play important roles in protein-protein interactions that occur in signal transduction pathways. Specific proline-rich consensus sequences that bind SH3 domains have been identified.

The predicted 114-amino acid SH3BGRL protein has a potential cell attachment sequence. A proline-rich sequence containing an SH3-binding motif is present in the middle of the protein. The SH3BGRL protein shares 60% identity with the proline-rich central region of SH3BGR. Northern blot analysis detected a single SH3BGRL transcript of approximately 1.9 kb that was present in all tissues examined.Mouse cDNA encoding a deduced protein that is 95% identical to human SH3BGRL.

Note: This product is for in vitro research use only