

Human Gastrotropin (FABP6) ELISA Kit

Catalog No: #EK11608



Package Size: #EK11608-1 48T #EK11608-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Gastrotropin (FABP6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	I-15P; I-BABP; I-BALB; I-BAP; ILBP; ILBP3; ILLBP; gastrotropin ileal bile acid binding protein ileal lipid-binding protein
Accession No.	P51161
Uniprot	P51161
GenID	2172;
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:62.5-4000 pg/mL

Sensitivity:26.9 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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate FABP6 in samples. An antibody specific for FABP6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFABP6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FABP6 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 FABP6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Ileal lipid-binding protein (symbolized ILBP by Birkenmeier et al., 1994) is a member of a family of intracellular fatty acid, retinoid, and bile acid-binding proteins. This protein, with 128 residues in the mouse, is expressed only in differentiated members of the enterocyte lineage located in ileal villi. ILBP binds conjugated and unconjugated bile salts and appears to function as the cytosolic receptor for bile acids that have undergone sodium-dependent active transport by the ileal bile acid transporter (IBAT). Birkenmeier et al. (1994) mapped the Illbp gene to mouse chromosome 11 by interspecific backcross analysis. The nearest locus in the mouse is Csfgm, which in the human genome is located on 5q31.1 (CSF2), suggesting that the human homolog of mouse Illbp may reside on human 5q.

Note: This product is for in vitro research use only