Human EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1) ELISA Kit

Catalog No: #EK10498

Package Size: #EK10498-1 48T #EK10498-2 96T

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

Description

Product Name	Human EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DHRD; DRAD; FBLN3; FBNL; FLJ35535; MGC111353; MLVT; MTLV; S1-5; fibrillin-like|fibulin 3
Accession No.	Q12805
Uniprot	Q12805
GeneID	2202;
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:1.56-100 ng/mL

Sensitivity:0.64 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 EFEMP1 in samples. An antibody specific for EFEMP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEFEMP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EFEMP1 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 EFEMP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:EGF-containing fibulin-like extracellular matrix protein 1 spans approximately 18 kb of genomic DNA and consists of 12 exons. Alternative splice patterns in the 5' UTR result in three transcript variants encoding the same extracellular matrix protein. Mutations in this gene are associated with Doyne honeycomb retinal dystrophy. The cDNA for this gene, designated 'fibrillin-like' (FBNL), was isolated from a fibroblast cDNA library. The FBNL cDNA probe detected 2 transcripts of 2.2 and 3.0 kb in mRNA from multiple tissues. The FBNL gene is expressed in many tissues but it is not expressed in brain and lymphocytes. the amino acid sequence of the FBNL gene is 36.3% identical to FBN1 and 35.4% identical to FBN2 and that FBNL contains repeated cbEGF-like domains, a cardinal motif of FBN genes.

Note: This product is for in vitro research use only