Human EGF-containing fibulin-like extracellular matrix protein 2 (EFEMP2) ELISA Kit

Catalog No: #EK10497

Package Size: #EK10497-1 48T #EK10497-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human EGF-containing fibulin-like extracellular matrix protein 2 (EFEMP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FBLN4; MBP1; UPH1; fibulin 4|mutant p53 binding protein 1
Accession No.	O95967
Uniprot	O95967
GeneID	30008;
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:3.12-200 ng/mL

Sensitivity:1.32 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 EFEMP2 in samples. An antibody specific for EFEMP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEFEMP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EFEMP2 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 EFEMP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:A large number of extracellular matrix proteins have been found to contain variations of the epidermal growth factor (EGF) domain and have been implicated in functions as diverse as blood coagulation, activation of complement and determination of cell fate during development. FBLN4 contains four EGF2 domains and six calcium-binding EGF2 domains. This gene is necessary for elastic fiber formation and connective tissue development. Defects in this gene are cause of an autosomal recessive cutis laxa syndrome.EFEMP1 is likewise expressed in a wide range of adult and fetal tissues. In contrast to EFEMP1, however, EFEMP2 was not significantly overexpressed in senescent or quiescent fibroblasts, suggesting a diversity of function within this EGF-like domain subfamily.

Note: This product is for in vitro research use only