Human Epidermal growth factor Like Domain Protein, Multiple 7 (EGFL7) ELISA Kit

Catalog No: #EK10486

Package Size: #EK10486-1 48T #EK10486-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Epidermal growth factor Like Domain Protein, Multiple 7 (EGFL7) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC111117; RP11-251M1.2; VE-STATIN; ZNEU1; NEU1 protein|OTTHUMP00000022597
Accession No.	Q9UHF1
Uniprot	Q9UHF1
GeneID	51162;
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:31.25-2000 pg/mL

Sensitivity:13.1 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 EGFL7 in samples. An antibody specific for EGFL7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyEGFL7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for EGFL7 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 EGFL7 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The deduced 275-amino acid protein has a calculated molecular mass of 29.8 kD. The mouse and human EGFL7 proteins both contain an N-terminal cleavable signal peptide followed by 2 epidermal growth factor (EGF)-like domains, and they share 78% amino acid identity. Northern blot analysis detected a transcript of about 1.6 kb only in mouse heart, lung, and kidney. In situ hybridization showed mouse Egfl7 expressed at embryonic day 7.5 exclusively in the primitive blood islands where the first endothelial cells differentiate, and later in endothelial cells of a wide range of tissues. Fluorescence-labeled Egfl7 was expressed in the endoplasmic reticulum of transfected mouse fibroblasts, and it was secreted into the culture medium.

Note: This product is for in vitro research use only