

Human CKLF-like MARVEL transmembrane domain-containing protein 6 (CMTM6) ELISA Kit

Catalog No: #EK11637

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Package Size: #EK11637-1 48T #EK11637-2 96T

Description

Product Name	Human CKLF-like MARVEL transmembrane domain-containing protein 6 (CMTM6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CKLFSF6; FLJ20396; PRO2219; chemokine-like factor super family 6 chemokine-like factor superfamily 6
Accession No.	Q9NX76
Uniprot	Q9NX76
GeneID	54918;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:61.7-5000 pg/mL

Sensitivity:2.9 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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate CMTM6 in samples. An antibody specific for CMTM6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCMTM6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CMTM6 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 CMTM6 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Members of the chemokine-like factor superfamily, including CKLFSF6, share similarity with both the chemokine and the transmembrane 4 superfamilies of signaling molecules.By screening databases for sequences that share homology with chemokine-like factor (CKLF), followed by RT-PCR of a prostate cDNA library, Han et al. (2003) cloned CKLFSF6. The deduced 183-amino acid CKLFSF6 protein has 4 transmembrane segments. It shares about 31% sequence identity with CKLFSF4 . Northern blot analysis detected a transcript of 3.88 kb expressed in leukocytes, placenta, and testis. A smaller transcript was also detected in leukocytes. Han et al. (2003) cloned mouse Cklfsf6, which shares about 88.5% sequence similarity with CKLFSF6.

Note: This product is for in vitro research use only