

Human Tolloid-like protein 2 (TLL2) ELISA Kit

Catalog No: #EK6513



Package Size: #EK6513-1 48T #EK6513-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Tolloid-like protein 2 (TLL2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	KIAA0932; MGC133312; MGC133313;
Accession No.	Q9Y6L7
Uniprot	Q9Y6L7
GeneID	7093;
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:Request Information

Sensitivity:Request Information

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 TLL2 in samples. An antibody specific for TLL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTLL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TLL2 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 TLL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TLL2 encodes an astacin-like zinc-dependent metalloprotease and is a subfamily member of the metzincin family. Unlike other family members, a similar protein in mice does not cleave procollagen C-propeptides or chordin.TLL2 shares 80.3% amino acid sequence identity with BMP1, including 870 overlapping residues. Analysis by RT-PCR ELISA demonstrated weak expression of TLL2 in most tissues and moderate expression in heart and brain.TLL2 encodes a deduced 1,015-amino acid protein with a molecular mass of 120 kD by SDS/PAGE.Whereas BMP1, TLD, and TLL1 specifically process procollagen C-propeptides at the physiologically relevant site, TLL2 lacks this activity. BMP1 and TLL1 cleave chordin, but TLL2 and TLD do not.

Note: This product is for in vitro research use only