

Human V-set and immunoglobulin domain-containing protein 2 (VSIG2) ELISA Kit



Catalog No: #EK5851

Orders: order@signalwayantibody.com

Package Size: #EK5851-1 48T #EK5851-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human V-set and immunoglobulin domain-containing protein 2 (VSIG2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	2210413P10Rik; CTH; CTXL; cortical thymocyte receptor (X. laevis CTX) like
Accession No.	Q96IQ7
Uniprot	Q96IQ7
GeneID	23584;
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:493.83-40000 pg/mL

Sensitivity:152.5 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 VSIG2 in samples. An antibody specific for VSIG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVSIG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VSIG2 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 VSIG2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**VSIG2 gene contains 7 conserved exons, with each Ig domain encoded by 2 half-domain exons with unusual splicing junctions.The deduced 325-amino acid CTH protein, which is 29% similar to GPA33, contains a signal peptide, an extracellular V-type Ig-like domain followed by a C2-type Ig-like domain, a transmembrane region devoid of charged residues, and a cytoplasmic tail. There are multiple N-glycosylation sites in the extracellular region and phosphorylation sites in the cytoplasmic tail. Northern blot analysis revealed CTH expression in stomach, colon, prostate, trachea, and thyroid gland, with lower levels in bladder and lung. CTH expression was not detected in thymus, although CTH could be amplified by PCR from a thymus cDNA library. The Ctx-like molecules are novel members of the Ig superfamily

Note: This product is for in vitro research use only