

Human Von Willebrand factor A domain-containing protein 3A (VWA3A) ELISA Kit



Catalog No: #EK5848

Orders: order@signalwayantibody.com

Package Size: #EK5848-1 48T #EK5848-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Von Willebrand factor A domain-containing protein 3A (VWA3A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	hCG_2039627; FLJ40941; FLJ46765;
Accession No.	A6NCI4
Uniprot	A6NCI4
GeneID	146177;
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:0.469-30 ng/mL

Sensitivity:0.15 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 VWA3A in samples. An antibody specific for VWA3A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVWA3A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VWA3A 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 VWA3A bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**vWA3A,Contains 2 VWFA domains, Human WARP shares 79% amino acid identity with mouse Warp. RT-PCR of mRNA from various mouse tissues and cell lines detected Warp expression only in chondrocytes. Northern blot analysis confirmed expression of Warp in chondrocytes isolated from newborn mouse rib cartilage.

Western blot analysis of transfected human embryonic kidney cells detected a 48-kD protein in both cell layer and media fractions. The majority of the protein was detected in the medium, indicating that WARP is efficiently secreted. Under nonreducing conditions, a 102-kD form was detected, suggesting that WARP forms a disulfide-bonded homodimer. N-glycosidase digestion led to a mobility shift from 48 to 45 kD, indicating that WARP has 1 or more N-linked oligosaccharide chains.

Note: This product is for in vitro research use only