Human WAP four-disulfide core domain protein 5 (WFDC5) ELISA Kit

Catalog No: #EK5836

Package Size: #EK5836-1 48T #EK5836-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human WAP four-disulfide core domain protein 5 (WFDC5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PRG5; WAP1; dJ211D12.5; p53-responsive gene 5|protease inhibitor WAP1
Accession No.	Q8TCV5
Uniprot	Q8TCV5
GeneID	149708;
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:78.1-5000 pg/mL

Sensitivity:35 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 WFDC5 in samples. An antibody specific for WFDC5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWFDC5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WFDC5 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 WFDC5 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:WFDC5 encodes a member of the WAP-type four-disulfide core (WFDC) domain family. Most WFDC proteins contain only one WFDC domain, and this encoded protein contains two WFDC domains. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. The deduced 123-amino acid protein contains an N-terminal signal peptide, followed by 2 WAP domains. Each WAP domain contains 8 cysteines that form conserved disulfide bridges, and each WAP domain forms a proposed protease-binding loop and a beta sheet. The mature 99-amino acid WAP1 protein has a calculated molecular mass of 10.9 kD.

Note: This product is for in vitro research use only