

Human Septin-8 (SEPT8) ELISA Kit

Catalog No: #EK7565



Package Size: #EK7565-1 48T #EK7565-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Septin-8 (SEPT8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	KIAA0202; SEP2; OTTHUMP00000211755
Accession No.	Q0VCP4
Uniprot	Q0VCP4
GeneID	540614;
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:1.56-100 ng/mL

Sensitivity:0.58 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 SEPT8 in samples. An antibody specific for SEPT8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySEPT8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEPT8 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 SEPT8 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SEPT8 is a member of the highly conserved septin family. Septins are 40- to 60-kD GTPases that assemble as filamentous scaffolds. They are involved in the organization of submembranous structures, in neuronal polarity, and in vesicle trafficking.

A conserved region found in all 3 variants contains the GTP-binding motif and is encoded by exons 3 through 10. Northern blot analysis detected expression of most SEPT8 variants in all brain and cardiovascular regions tested, as well as in prostate, testis, and ovary. Expression was highest in brain and aorta, and expression of each variant was tissue specific. Western blot analysis detected variant 1 at an apparent molecular mass of 58 kD in prostate, testis, and ovary.

Note: This product is for in vitro research use only