

Human Septin-6 (SEPT6) ELISA Kit

Catalog No: #EK7564



Package Size: #EK7564-1 48T #EK7564-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Septin-6 (SEPT6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP5-876A24.2; KIAA0128; MGC16619; MGC20339; SEP2; SEPT2; septin 2
Accession No.	Q14141
Uniprot	Q14141
GeneID	23157;
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:0.156-10 ng/mL

Sensitivity:0.061 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 SEPT6 in samples. An antibody specific for SEPT6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySEPT6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEPT6 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 SEPT6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Septin-6 is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined.

The deduced 424-amino acid protein shares 40% identity with CDC10 (SEPT7) and contains an ATP/GTP-binding site motif. Northern blot analysis detected nearly ubiquitous expression, with highest level in thymus.

Note: This product is for in vitro research use only