

## Human Kinectin (KTN1) ELISA Kit

Catalog No: #EK10169



Package Size: #EK10169-1 48T #EK10169-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Human Kinectin (KTN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CG1; KIAA0004; KNT; MGC133337; MU-RMS-40.19; CG-1 antigen OTTHUMP00000179011 kinectin 1 kinesin receptor
Accession No.	Q86UP2
Uniprot	Q86UP2
GeneID	3895;
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:30 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 KTN1 in samples. An antibody specific for KTN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKTN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KTN1 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 KTN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Kinectin is a protein encoded by the KTN1 gene.Various cellular organelles and vesicles are transported along the microtubules in the cytoplasm. Likewise, membrane recycling of the endoplasmic reticulum (ER), Golgi assembly at the microtubule organizing center, and alignment of lysosomes along microtubules are all related processes.

The transport of organelles requires a special class of microtubule-associated proteins (MAPs). One of these is the molecular motor kinesin, an ATPase that moves vesicles unidirectionally toward the plus end of the microtubule. Another such MAP is kinectin, a large integral ER membrane protein. Antibodies directed against kinectin have been shown to inhibit its binding to kinesin.

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Note: This product is for in vitro research use only