

Human Kinetochores-associated protein 1 (KNTC1) ELISA Kit | KNTC1 elisa kit

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CATALOG #
AAA68423

REACTIVITY
Human

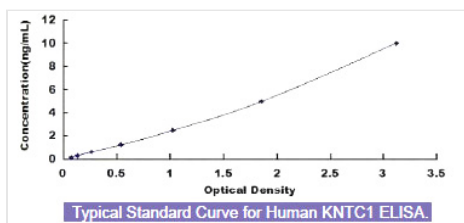
PRODUCT SYNONYMS

Kinetochores-associated protein 1 (KNTC1); Human Kinetochores-associated protein 1 (KNTC1) ELISA Kit; KNTC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KNTC1. No significant cross-reactivity or interference between KNTC1 and analogues was observed.
Sequence Length	2209
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.056ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KNTC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KNTC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KNTC1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of KNTC1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KNTC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KNTC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain KNTC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of KNTC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661960
NCBI GeneID	9735
NCBI Accession #	NP_055523.1
NCBI GenBank Nucleotide #	NM_014708.5
UniProt Accession #	P50748; A7E2C4; B3KSG2
Molecular Weight	51,102 Da
NCBI Official Full Name	kinetochore-associated protein 1
NCBI Official Synonym Full Names	kinetochore associated 1
NCBI Official Symbol	KNTC1
NCBI Official Synonym Symbols	ROD
NCBI Protein Information	kinetochore-associated protein 1
UniProt Protein Name	Kinetochore-associated protein 1
UniProt Gene Name	KNTC1
UniProt Synonym Gene Names	KIAA0166; HsROD; Rod; hRod

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/kinetochore-associated-protein-1-kntc1/68423>