

Human Kinesin Family, Member 1A (KIF1A) ELISA Kit | KIF1A elisa kit

Human Kinesin Family, Member 1A (KIF1A) ELISA Kit

CATALOG #
AAA65402

REACTIVITY
Human

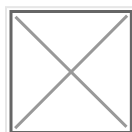
PRODUCT SYNONYMS

Kinesin Family; Member 1A (KIF1A); Human Kinesin Family; Member 1A (KIF1A) ELISA Kit; ATSV; UNC104; C2orf20; Axonal Transport Of Synaptic Vesicles; Microtubule-based motor KIF1A; Unc-104- and KIF1A-related protein; KIF1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KIF1A. No significant cross-reactivity or interference between KIF1A and analogues was observed.
Sequence Length	1791
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KIF1A 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 KIF1A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KIF1A elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KIF1A in human tissue homogenates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KIF1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KIF1A. 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 KIF1A, 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 KIF1A in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	345842524
NCBI GeneID	547
NCBI Accession #	NP_001230937.1
NCBI GenBank Nucleotide #	NM_001244008.1
UniProt Accession #	Q12756; O95068; Q13355; Q14752; Q2NKJ6; Q4LE42; Q53T78; Q59GH1; Q63Z40; Q6P1R9; B0I1S5; F5H045
Molecular Weight	202,059 Da
NCBI Official Full Name	kinesin-like protein KIF1A isoform 1
NCBI Official Synonym Full Names	kinesin family member 1A
NCBI Official Symbol	KIF1A
NCBI Official Synonym Symbols	ATSV; MRD9; HSN2C; SPG30; UNC104; C2orf20
NCBI Protein Information	kinesin-like protein KIF1A
UniProt Protein Name	Kinesin-like protein KIF1A
UniProt Gene Name	KIF1A
UniProt Synonym Gene Names	ATSV; C2orf20; hUnc-104

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/kinesin-family-member-1a-kif1a/65402>