

Mouse Histidine Triad Nucleotide Binding Protein 2 (HINT2) ELISA Kit | HINT2 elisa kit

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CATALOG #
AAA68180

REACTIVITY
Mouse

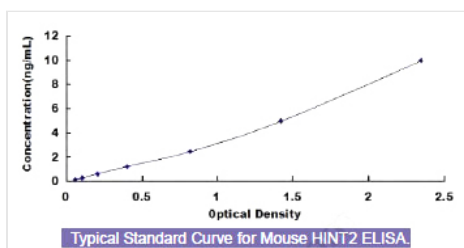
PRODUCT SYNONYMS

Histidine Triad Nucleotide Binding Protein 2 (HINT2); Mouse Histidine Triad Nucleotide Binding Protein 2 (HINT2) ELISA Kit; HINT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HINT2. No significant cross-reactivity or interference between HINT2 and analogues was observed.
Sequence Length	163
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HINT2 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 HINT2 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 HINT2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HINT2 in mouse 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 HINT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HINT2. 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 HINT2, 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 HINT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110625719
NCBI GeneID	68917
NCBI Accession #	NP_081147.1
NCBI GenBank Nucleotide #	NM_026871.1
UniProt Accession #	Q9D0S9
Molecular Weight	17,320 Da
NCBI Official Full Name	histidine triad nucleotide-binding protein 2, mitochondrial
NCBI Official Synonym Full Names	histidine triad nucleotide binding protein 2
NCBI Official Symbol	Hint2
NCBI Official Synonym Symbols	1190005L05Rik
NCBI Protein Information	histidine triad nucleotide-binding protein 2, mitochondrial
UniProt Protein Name	Histidine triad nucleotide-binding protein 2, mitochondrial
UniProt Gene Name	Hint2
UniProt Synonym Gene Names	HINT-2

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/mouse-elisa-kits/histidine-triad-nucleotide-binding-protein-2-hint2/68180>