

Mouse Optineurin (OPTN) ELISA Kit | OPTN elisa kit

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CATALOG #
AAA13919

REACTIVITY
Mouse

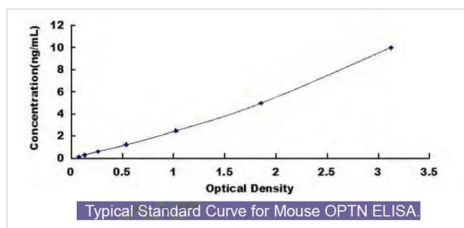
PRODUCT SYNONYMS

Optineurin (OPTN); Mouse Optineurin (OPTN) ELISA Kit; NRP; FIP2; GLC1E; HIP7; HYPL; TFIIIA-INTP; Glaucoma 1; Open Angle; E(Adult-Onset); Huntingtin-interacting protein 7; Optic neuropathy-inducing protein; E3-14.7K-interacting protein; OPTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of OPTN. No significant cross-reactivity or interference between OPTN and analogues was observed.
Sequence Length	584
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates or other biological fluids
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 OPTN 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 OPTN 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 OPTN elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to OPTN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to OPTN. 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 OPTN, 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 OPTN in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of OPTN in mouse tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32469491
NCBI GeneID	71648
NCBI Accession #	NP_862896.1
NCBI GenBank Nucleotide #	NM_181848.4
UniProt Accession #	Q8K3K8; A2ASP3
Molecular Weight	67,018 Da
NCBI Official Full Name	optineurin
NCBI Official Synonym Full Names	optineurin
NCBI Official Symbol	Optn
NCBI Official Synonym Symbols	NRP; FIP2; HYPL; 4930441O07Rik
NCBI Protein Information	optineurin
UniProt Protein Name	Optineurin
UniProt Gene Name	Optn

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/optineurin-optn/13919>