

Human Mitofusin 1 (MFN1) ELISA Kit | MFN1 elisa kit

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CATALOG #
AAA140758

REACTIVITY
Human

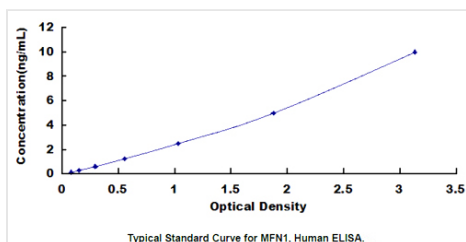
PRODUCT SYNONYMS

Mitofusin 1 (MFN1); Human Mitofusin 1 (MFN1) ELISA Kit; Hfzo1; Hfzo2; Transmembrane GTPase MFN1; Fzo homolog; MFN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mitofusin 1 (MFN1). No significant cross-reactivity or interference between Mitofusin 1 (MFN1) and analogues was observed.
Sequence Length	741
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mitofusin 1 (MFN1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mitofusin 1 (MFN1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MFN1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mitofusin 1 (MFN1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mitofusin 1 (MFN1). 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 Mitofusin 1 (MFN1), 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 Mitofusin 1 (MFN1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MFN1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	26251799
NCBI GeneID	55669
Molecular Weight	71,401 Da
NCBI Official Full Name	Mitofusin 1
NCBI Official Synonym Full Names	mitofusin 1
NCBI Official Symbol	MFN1
NCBI Official Synonym Symbols	hfzo1; hfzo2
NCBI Protein Information	mitofusin-1
UniProt Protein Name	Mitofusin-1
UniProt Gene Name	MFN1
UniProt Entry Name	MFN1_HUMAN

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://www.aaabiotech.com/human-elisa-kits/mitofusin-1-mfn1/140758>