

Mouse Mfn1 (Mitofusin-1) ELISA Kit | Mfn1 elisa kit

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CATALOG # AAA250745	REACTIVITY Mouse
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PRODUCT SYNONYMS

Mfn1 (Mitofusin-1); Mouse Mfn1 (Mitofusin-1) ELISA Kit; Mitofusin-1; Transmembrane GTPase MFN1; Mfn1; Mfn1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mfn1. No significant cross-reactivity or interference between Mfn1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for Mfn1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	244793488
NCBI GeneID	67414
NCBI Accession #	NP_077162.2
NCBI GenBank Nucleotide #	NM_024200.4
UniProt Accession #	Q811U4 ; Q3URC4 ; Q811D5 ; Q8CEY6 ; Q99M10 ; Q9D395
Molecular Weight	83,726 Da
NCBI Official Full Name	mitofusin-1
NCBI Official Synonym Full Names	mitofusin 1

NCBI Official Symbol	Mfn1
NCBI Official Synonym Symbols	HR2; mKIAA4032; D3Ert265e; 2310002F04Rik; 6330416C07Rik
NCBI Protein Information	mitofusin-1; transmembrane GTPase MFN1
UniProt Protein Name	Mitofusin-1
UniProt Gene Name	Mfn1
UniProt Entry Name	MFN1_MOUSE

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/mouse-elisa-kits/mfn1-mitofusin-1/250745>