

Human Mitofusin 2 ELISA Kit | MFN2 elisa kit

Human Mitofusin 2 ELISA Kit

CATALOG #
AAA247268

REACTIVITY
Human

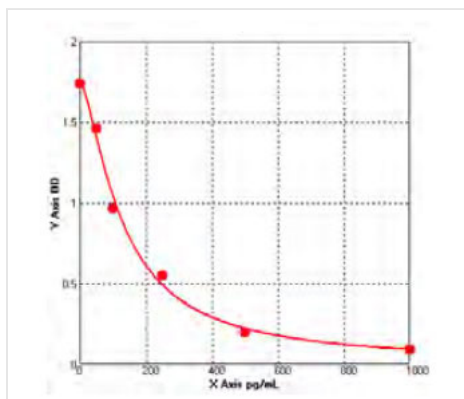
PRODUCT SYNONYMS

Mitofusin 2; Human Mitofusin 2 ELISA Kit; MFN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MFN2. No significant cross-reactivity or interference between MFN2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MFN2 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	757
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MFN2 elisa kit	Principle of the Assay: MFN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MFN2 antibody and an MFN2-HRP conjugate. The assay sample and buffer are incubated together with MFN2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MFN2 concentration since MFN2 from samples and MFN2-HRP conjugate compete for the anti-MFN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MFN2 from the sample, fewer sites are left to bind MFN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MFN2 concentration in each sample is interpolated from this standard curve. Intended Uses: This MFN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MFN2. This ELISA kit for research use only, not for therapeutic or test applications!
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	16877627
NCBI GeneID	9927
Molecular Weight	50,041 Da
NCBI Official Full Name	Mitofusin 2
NCBI Official Synonym Full Names	mitofusin 2
NCBI Official Symbol	MFN2
NCBI Official Synonym Symbols	HSG; MARF; CMT2A; CPRP1; CMT2A2; HMSN6A; CMT2A2A; CMT2A2B
NCBI Protein Information	mitofusin-2
UniProt Protein Name	Mitofusin-2
UniProt Gene Name	MFN2
UniProt Synonym Gene Names	CPRP1; KIAA0214

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.