

Mouse OPA1 (Optic Atrophy 1) ELISA Kit | OPA1 elisa kit

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CATALOG #
AAA250742

REACTIVITY
Mouse

PRODUCT SYNONYMS

OPA1 (Optic Atrophy 1); Mouse OPA1 (Optic Atrophy 1) ELISA Kit; Dynamin-like 120 kDa protein; mitochondrial; Large GTP-binding protein (LargeG); Optic atrophy protein 1 homolog; Opa1; OPA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of OPA1. No significant cross-reactivity or interference between OPA1 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 OPA1 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 #	19526960
NCBI GeneID	74143
NCBI Accession #	NP_598513.1
NCBI GenBank Nucleotide #	NM_133752.3
UniProt Accession #	P58281 ; Q3ULA5 ; Q8BKU7 ; Q8BLL3 ; Q8BM08 ; Q8R3J7 ; A6H6Q3
Molecular Weight	111,339 Da
NCBI Official Full Name	dynamin-like 120 kDa protein, mitochondrial isoform 2

UniProt Protein Name	Dynamin-like 120 kDa protein, mitochondrial
UniProt Gene Name	Opa1
UniProt Synonym Gene Names	LargeG
UniProt Entry Name	OPA1_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/opa1-optic-atrophy-1/250742>