

Human Myosin-2 ELISA Kit | MYH2 elisa kit

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CATALOG #
AAA101393

REACTIVITY
Human

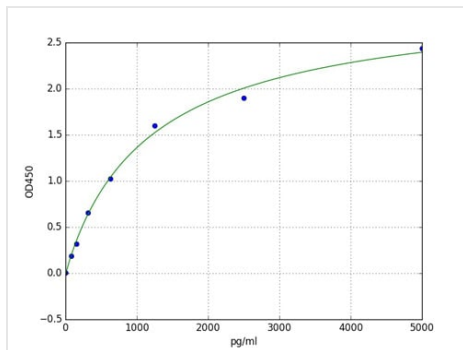
PRODUCT SYNONYMS

Myosin-2; Human Myosin-2 ELISA Kit; MYH2 (Myosin-2)/MYHSA2/MyHC-IIa/MyHC-2a/Myosin heavy chain; skeletal muscle; adult 2/Myosin heavy chain IIa/Myosin heavy chain 2/Myosin heavy chain 2a; MYH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1562
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
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

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human Myosin-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.042	0.109	0.172	0.305	0.558	0.915	1.749	2.304

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human Myosin-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human Myosin-2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 Human Myosin-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human Myosin-2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	334188182
NCBI GeneID	834412
NCBI Accession #	NP_001190466.1
NCBI GenBank Nucleotide #	NM_001203537.1
Molecular Weight	169,931 Da
NCBI Official Full Name	myosin 2
NCBI Official Symbol	MYA2
NCBI Official Synonym Symbols	ARABIDOPSIS MYOSIN 2; ATMYA2; F6B6.4; F6B6_4; MYA2; myosin 2; MYOSIN X1 2; MYOSIN XI-6; XI-2; XI-6
NCBI Protein Information	myosin 2
UniProt Protein Name	Myosin-6
UniProt Gene Name	XI-2
UniProt Synonym Gene Names	MYA2
UniProt Entry Name	MYO6_ARATH

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/myh2-human-elisa-kits/myosin-2/101393>