

Human Myosin VIIa (MYO7A) ELISA Kit | MYO7A elisa kit

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CATALOG #
AAA245040

REACTIVITY
Human

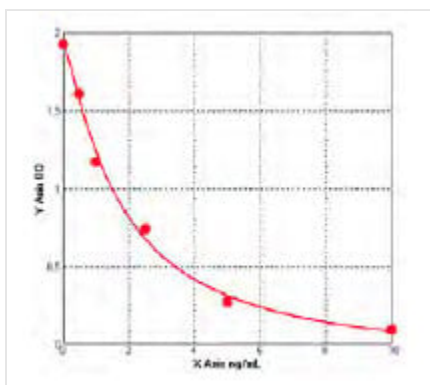
PRODUCT SYNONYMS

Myosin VIIa (MYO7A); Human Myosin VIIa (MYO7A) ELISA Kit; MYO7A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYO7A. No significant cross-reactivity or interference between MYO7A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MYO7A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYO7A elisa kit	Intended Uses: This MYO7A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MYO7A. This ELISA kit for research use only! Principle of the Assay: MYO7A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MYO7A antibody and an MYO7A-HRP conjugate. The assay sample and buffer are incubated together with MYO7A-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 MYO7A concentration since MYO7A from samples and MYO7A-HRP conjugate compete for the anti-MYO7A antibody binding site. Since the number of sites is limited, as more sites are occupied by MYO7A from the sample, fewer sites are left to bind MYO7A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYO7A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MYO7A elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1235670
Molecular Weight	249,165 Da
NCBI Official Full Name	myosin VIIA
UniProt Protein Name	Unconventional myosin-VIIa
UniProt Gene Name	MYO7A
UniProt Synonym Gene Names	USH1B
UniProt Entry Name	MYO7A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/myosin-viia-myo7a/245040>