

Human Myosin 11 (MYH11) ELISA Kit | MYH11 elisa kit

Human Myosin 11 (MYH11) ELISA Kit

CATALOG #
AAA244657

REACTIVITY
Human

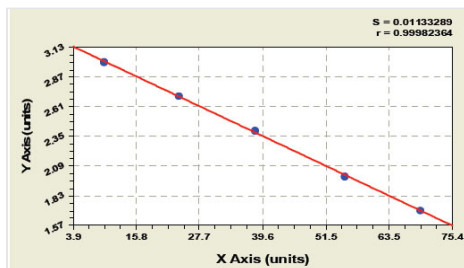
PRODUCT SYNONYMS

Myosin 11 (MYH11); Human Myosin 11 (MYH11) ELISA Kit; MYH11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This MYH-II ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MYH-II. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH11 elisa kit

Principle of the assay: MYH-II ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MYH-II antibody and an MYH-II-HRP conjugate. The assay sample and buffer are incubated together with MYH-II-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 MYH-II concentration since MYH-II from samples and MYH-II-HRP conjugate compete for the anti-MYH-II antibody binding site. Since the number of sites is limited, as more sites are occupied by MYH-II from the sample, fewer sites are left to bind MYH-II-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYH-II concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MYH11 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13432177
NCBI GeneID	4629
Molecular Weight	223,577 Da
NCBI Official Full Name	Myosin-11
NCBI Official Synonym Full Names	myosin, heavy chain 11, smooth muscle
NCBI Official Symbol	MYH11
NCBI Official Synonym Symbols	AAT4; FAA4; SMHC; SMMHC
NCBI Protein Information	myosin-11; myosin heavy chain 11; myosin heavy chain, smooth muscle isoform; myosin, heavy polypeptide 11, smooth muscle
UniProt Protein Name	Myosin-11
UniProt Gene Name	MYH11
UniProt Synonym Gene Names	KIAA0866
UniProt Entry Name	MYH11_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://stage.aaabiotech.com/human-elisa-kits/myosin-11-myh11/244657>