

Human myosin, heavy chain 11, smooth muscle ELISA Kit | MYH11 elisa kit

Human Myosin-11, MYH11 ELISA Kit

CATALOG #
AAA112304

REACTIVITY
Human

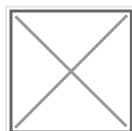
PRODUCT SYNONYMS

myosin; heavy chain 11; smooth muscle; Human Myosin-11; MYH11 ELISA Kit; Human Myosin-11 (MYH11) ELISA kit; AAT4; DKFZp686D10126; DKFZp686D19237; FAA4; FLJ35232; MGC126726; MGC32963; SMHC; SMMHC; heavy polypeptide 11; smooth muscle myosin heavy chain 11; MYH11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MYH11. No significant cross-reactivity or interference between human MYH11 and analogues was observed.
Sequence Length	1945
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	25 pg/ml -1600 pg/ml.
Sensitivity	The minimum detectable dose of human MYH11 is typically less than 6.25 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH11 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MYH11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYH11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYH11 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MYH11 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	92091583
NCBI GeneID	4629
NCBI Accession #	NP_001035202.1
NCBI GenBank Nucleotide #	NM_001040113.1
UniProt Accession #	P35749; O00396; O94944; P78422; Q3MIV8; Q3MNF0; Q3MNF1; D2JYH7
Molecular Weight	227,339 Da
NCBI Official Full Name	myosin-11 isoform SM2B
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.

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Online datasheet: <https://stage.aaabiotech.com/myh11-human-elisa-kits/myosin-heavy-chain-11-smooth-muscle/112304>