

Human Myosin Heavy Chain 11, Smooth Muscle (MYH11) ELISA Kit | MYH11 elisa kit

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CATALOG #
AAA138657

REACTIVITY
Human

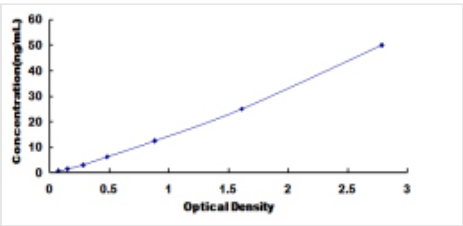
PRODUCT SYNONYMS

Myosin Heavy Chain 11; Smooth Muscle (MYH11); Human Myosin Heavy Chain 11; Smooth Muscle (MYH11) ELISA Kit; AAT4; FAA4; SMHC; SMMHC; Myosin heavy chain; smooth muscle isoform; MYH11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Myosin Heavy Chain 11, Smooth Muscle (MYH11). No significant cross-reactivity or interference between Myosin Heavy Chain 11, Smooth Muscle (MYH11) and analogues was observed.
Sequence Length	1,938
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.33ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Myosin Heavy Chain 11, Smooth Muscle (MYH11) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Myosin Heavy Chain 11, Smooth Muscle (MYH11) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MYH11 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Myosin Heavy Chain 11, Smooth Muscle (MYH11). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myosin Heavy Chain 11, Smooth Muscle (MYH11). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Myosin Heavy Chain 11, Smooth Muscle (MYH11), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Myosin Heavy Chain 11, Smooth Muscle (MYH11) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MYH11 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	170026940
NCBI GeneID	4629
UniProt Accession #	P35749; O00396; O94944; P78422; Q3MIV8; Q3MNF0; Q3MNF1; D2JYH7
Molecular Weight	223,577 Da
NCBI Official Full Name	myosin heavy chain 11 smooth muscle isoform
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
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.