

Human Myosin Heavy Chain ELISA Kit | MHC elisa kit

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CATALOG #
AAA87982

REACTIVITY
Human

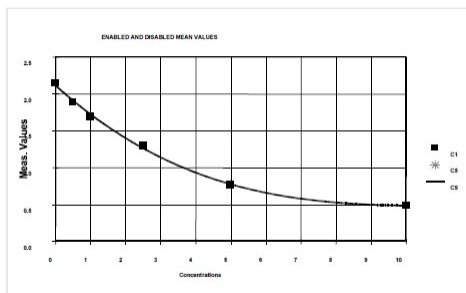
PRODUCT SYNONYMS

Myosin Heavy Chain; Human Myosin Heavy Chain ELISA Kit; MHC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MHC elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This MSTN ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of MSTN in the sample, this MSTN ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus MSTN concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of MSTN utilizes a multiclone anti-MSTN antibody and an MSTN-HRP conjugate. The assay sample and buffer are incubated together with MSTN-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 MSTN concentration since MSTN from samples and MSTN-HRP conjugate compete for the anti-MSTN antibody binding site. Since the number of sites is limited, as more sites are occupied by MSTN from the sample, fewer sites are left to bind MSTN-HRP conjugate. Standards of known MSTN concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of MSTN. The MSTN concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MHC elisa kit	Immunology
References	Heliox as a driving gas to atomize inhaled drugs on acute exacerbation of chronic obstructive pulmonary disease: a prospective clinical study . Xiao Yongjiu, Su Longxiang, Han Bingchao, Zhang Xin and Xie Lixin (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4572644
UniProt Accession #	Q9TSY4
Molecular Weight	14,932 Da
NCBI Official Full Name	myostatin, partial
UniProt Protein Name	Myostatin
UniProt Gene Name	MSTN
UniProt Entry Name	Q9TSY4_PIG

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/mhc-human-elisa-kits/myosin-heavy-chain/87982>