

Bovine Myosin Heavy chain beta ELISA Kit | MHC beta elisa kit

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CATALOG #
AAA245913

REACTIVITY
Bovine

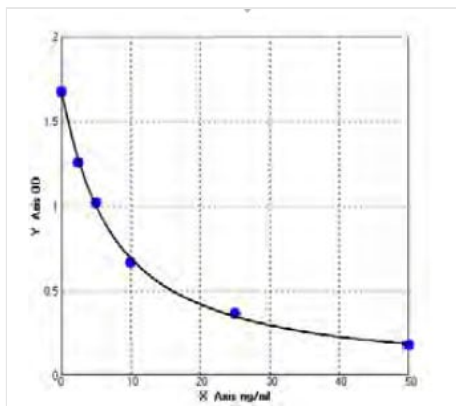
PRODUCT SYNONYMS

Myosin Heavy chain beta; Bovine Myosin Heavy chain beta ELISA Kit; Bovine Myosin Heavy chain b ELISA Kit; MHC beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of beta-MHC. No significant cross-reactivity or interference between beta-MHC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between beta-MHC 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 MHC beta elisa kit	Intended Uses: This beta-MHC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine beta-MHC. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: beta-MHC ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-beta-MHC antibody and an beta-MHC-HRP conjugate. The assay sample and buffer are incubated together with beta-MHC-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 beta-MHC concentration since beta-MHC from samples and beta-MHC-HRP conjugate compete for the anti-beta-MHC antibody binding site. Since the number of sites is limited, as more sites are occupied by beta-MHC from the sample, fewer sites are left to bind beta-MHC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta-MHC concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MHC beta elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	188986
NCBI GeneID	4625
Molecular Weight	223,097 Da
NCBI Official Full Name	myosin heavy chain, partial
NCBI Official Synonym Full Names	myosin, heavy chain 7, cardiac muscle, beta
NCBI Official Symbol	MYH7
NCBI Official Synonym Symbols	CMH1; MPD1; SPMD; SPMM; CMD1S; MYHCB
NCBI Protein Information	myosin-7; myHC-beta; myhc-slow; myopathy, distal 1; myosin heavy chain slow isoform; rhabdomyosarcoma antigen MU-RMS-40.7A; myosin heavy chain, cardiac muscle beta isoform; myosin, heavy polypeptide 7, cardiac muscle, beta
UniProt Protein Name	Myosin-7
UniProt Gene Name	MYH7
UniProt Synonym Gene Names	MYHCB; MyHC-slow; MyHC-beta
UniProt Entry Name	MYH7_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.