

Bovine Myosin-1 (MYH1) ELISA Kit | MYH1 elisa kit

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CATALOG #
AAA27218

REACTIVITY
Bovine

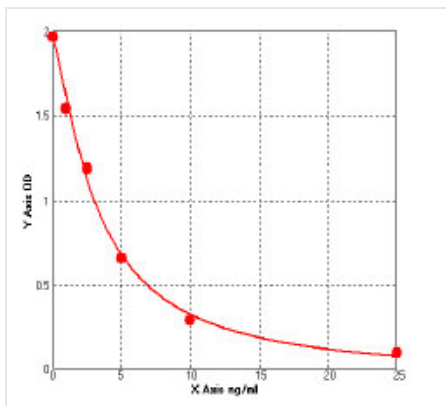
PRODUCT SYNONYMS

Myosin-1 (MYH1); Bovine Myosin-1 (MYH1) ELISA Kit; MYH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of MYH1. No significant cross-reactivity or interference between MYH1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MYH1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 MYH1 elisa kit	Principle of the Assay: MYH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MYH1 antibody and an MYH1-HRP conjugate. The assay sample and buffer are incubated together with MYH1-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 MYH1 concentration since MYH1 from samples and MYH1-HRP conjugate compete for the anti-MYH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MYH1 from the sample, fewer sites are left to bind MYH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MYH1 concentration in each sample is interpolated from this standard curve. Intended Uses: This MYH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine MYH1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for MYH1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	115527082
NCBI GeneID	4619
NCBI Accession #	NP_005954.3
NCBI GenBank Nucleotide #	NM_005963.3
Molecular Weight	223,145 Da
NCBI Official Full Name	myosin-1
NCBI Official Synonym Full Names	myosin, heavy chain 1, skeletal muscle, adult
NCBI Official Symbol	MYH1
NCBI Official Synonym Symbols	MYHa; HEL71; MYHSA1; MyHC-2x; MyHC-2X/D
NCBI Protein Information	myosin-1; myHC-IIx/d; myosin heavy chain 1; myosin heavy chain 2x; myosin heavy chain IIx/d; epididymis luminal protein 71; myosin heavy chain, skeletal muscle, adult 1; myosin, heavy polypeptide 1, skeletal muscle, adult
UniProt Protein Name	Myosin-1
UniProt Gene Name	MYH1
UniProt Synonym Gene Names	MyHC-2x; MyHC-IIx/d
UniProt Entry Name	MYH1_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.