Human Soluble Myosin Heavy Chain 1 (sMHC-1) ELISA Kit | sMHC-1 elisa kit

Human Soluble Myosin Heavy Chain 1 (sMHC-1) ELISA Kit

CATALOG #	REACTIVITY
AAA331609	**Human**

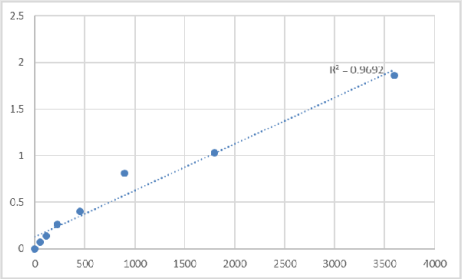
PRODUCT SYNONYMS

Soluble Myosin Heavy Chain 1 (sMHC-1); Human Soluble Myosin Heavy Chain 1 (sMHC-1) ELISA Kit; MYH1; MGC133384; MYHSA1; MYHa; MyHC-2X/D; myosin heavy chainx/d; myosin; heavy polypeptide 1; skeletal muscle; adult; sMHC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Soluble myosin heavy chain 1 (sMHC-1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYH1. No significant cross-reactivity or interference between Human MYH1 and analogues was observed.
Sequence Length	1939
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Soluble myosin heavy chain 1 (sMHC-1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for sMHC-1 elisa kit	Description: This Human Soluble myosin heavy chain 1 (sMHC-1) ELISA Kit employs a two-site sandwich ELISA to quantitate MYH1 in samples. An antibody specific for MYH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYH1 is added to the wells. After washing, Streptavidin 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 MYH1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. Myosin heavy chains are encoded by a multigene family. In mammals at least 10 different myosin heavy chain (MYH) isoforms have been described from striated, smooth, and nonmuscle cells. These isoforms show expression that is spatially and temporally regulated during development.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115527082
NCBI GeneID	4619
NCBI Accession #	NP_005954.3
NCBI GenBank Nucleotide #	NP_005954.3
UniProt Accession #	P12882
NCBI Official Full Name	myosin-1
NCBI Official Synonym Full Names	myosin heavy chain 1
NCBI Official Symbol	MYH1
NCBI Official Synonym Symbols	MYHa; HEL71; MYHSA1; MyHC-2x; MyHC-2X/D
NCBI Protein Information	myosin-1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/human-elisa-kits/soluble-myosin-heavy-chain-1-smhc-1/331609