

Human Myosin Binding Protein C, Cardiac (MYBPC3) ELISA Kit | MYBPC3 elisa kit

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CATALOG #
AAA20544

REACTIVITY
Human

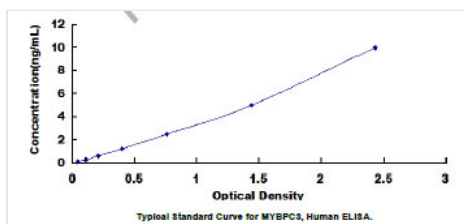
PRODUCT SYNONYMS

Myosin Binding Protein C; Cardiac (MYBPC3); Human Myosin Binding Protein C; Cardiac (MYBPC3) ELISA Kit; MYBPC-3; FHC; CMH4; MYBP-C; C-protein; cardiac muscle isoform; MYBPC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MYBPC3. No significant cross-reactivity or interference between MYBPC3 and analogues was observed.
Sequence Length	1,273
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MYBPC3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MYBPC3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 MYBPC3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MYBPC3 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MYBPC3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MYBPC3. 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 MYBPC3, 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 MYBPC3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MYBPC3 elisa kit	Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	153217306
NCBI GeneID	4607
UniProt Accession #	Q14896; Q16410; Q6R2F7; Q9UE27; Q9UM53; A5PL00
Molecular Weight	140,703 Da
NCBI Official Full Name	Myosin binding protein C, cardiac
NCBI Official Synonym Full Names	myosin binding protein C, cardiac
NCBI Official Symbol	MYBPC3
NCBI Official Synonym Symbols	FHC; CMH4; CMD1MM; LVNC10; MYBP-C
NCBI Protein Information	myosin-binding protein C, cardiac-type
UniProt Protein Name	Myosin-binding protein C, cardiac-type
UniProt Gene Name	MYBPC3
UniProt Synonym Gene Names	Cardiac MyBP-C
UniProt Entry Name	MYPC3_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://stage.aaabiotech.com/human-elisa-kits/myosin-binding-protein-c-cardiac-mybpc3/20544>