

Human Myogenic Factor 5 (MYF5) ELISA Kit | MYF5 elisa kit

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CATALOG #
AAA331610

REACTIVITY
Human

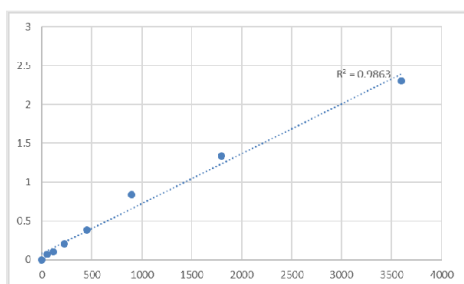
PRODUCT SYNONYMS

Myogenic Factor 5 (MYF5); Human Myogenic Factor 5 (MYF5) ELISA Kit; MYF5; bHLHc2; MYF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myogenic factor 5 (MYF5) ELISA Kit has high sensitivity and excellent specificity for detection of Human MYF5. No significant cross-reactivity or interference between Human MYF5 and analogues was observed.
Sequence Length	255
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 Myogenic factor 5 (MYF5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MYF5 elisa kit	Description: This Human Myogenic factor 5 (MYF5) ELISA Kit employs a two-site sandwich ELISA to quantitate MYF5 in samples. An antibody specific for MYF5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MYF5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYF5 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 MYF5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MYF5 (Myogenic Factor 5) is a Protein Coding gene. Diseases associated with MYF5 include Rhabdomyosarcoma and Skeletal Muscle Cancer. Among its related pathways are Transcriptional Regulatory Network in Embryonic Stem Cell and CDO in myogenesis. GO annotations related to this gene include sequence-specific DNA binding and RNA polymerase II core promoter proximal region sequence-specific DNA binding. An important paralog of this gene is MYOD1. Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYOG and MYOD1, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156104906
NCBI GeneID	4617
NCBI Accession #	NP_005584.2
NCBI GenBank Nucleotide #	NP_005584.2
UniProt Accession #	P13349
NCBI Official Full Name	myogenic factor 5
NCBI Official Synonym Full Names	myogenic factor 5
NCBI Official Symbol	MYF5
NCBI Official Synonym Symbols	EORVA; bHLHc2
NCBI Protein Information	myogenic factor 5
UniProt Protein Name	Myogenic factor 5
UniProt Gene Name	MYF5
UniProt Synonym Gene Names	BHLHC2; Myf-5; bHLHc2
UniProt Entry Name	MYF5_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.