Mouse Myogenic factor 6 (MYF6) ELISA Kit

Catalog No: #EK11499

Package Size: #EK11499-1 48T #EK11499-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Myogenic factor 6 (MYF6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	MRF4; bHLHc4; herculin|myogenic factor 6|myogenic factor-6
Accession No.	P15375
Uniprot	P15375
GeneID	17878;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MYF6 in samples. An antibody specific for MYF6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMYF6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYF6 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 MYF6 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:MYH6encodes the alpha heavy chain subunit of cardiac myosin. The gene is located 4kb downstream of the gene encoding the beta heavy chain subunit of cardiac myosin. Mutations in this gene cause familial hypertrophic cardiomyopathy and atrial septal defect 3. Unlike the hemoglobin and immunoglobulin examples in which switches are unidirectional--a gene switched off in a terminally differentiated cell cannot be switched on again--the beta-MYHC gene can be switched on again either spontaneously in older animals or experimentally in response to thyroid hormone depletion/replacement or different mechanical stimuli. The alpha-MYHC gene is expressed also in atrial muscle and the beta-MYHC gene in skeletal slow-twitch muscle.

Note: This product is for in vitro research use only