

For Research Use Only

# MEF2C Monoclonal antibody

Catalog Number: 60124-1-Ig



## Basic Information

<b>Catalog Number:</b> 60124-1-Ig	<b>GenBank Accession Number:</b> BC156603	<b>Purification Method:</b> Caprylic Acid/Ammonium Sulfate Precipitation
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 4208	<b>CloneNo.:</b> 1F4B12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q06413	
<b>Isotype:</b> IgG1	<b>Full Name:</b> myocyte enhancer factor 2C	
<b>Immunogen Catalog Number:</b> AG0020	<b>Calculated MW:</b> 51 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human

## Background Information

MEF2C belongs to the MEF2 family. It is a transcription activator which binds specifically to the MEF2 element present in the regulatory regions of many muscle-specific genes. MEF2C controls cardiac morphogenesis and myogenesis, and is also involved in vascular development. It plays an essential role in hippocampal-dependent learning and memory by suppressing the number of excitatory synapses and thus regulating basal and evoked synaptic transmission. It is crucial for normal neuronal development, distribution, and electrical activity in the neocortex and is necessary for proper development of megakaryocytes and platelets and for bone marrow B lymphopoiesis. This protein is required for B-cell survival and proliferation in response to BCR stimulation, efficient IgG1 antibody responses to T-cell-dependent antigens and for normal induction of germinal center B cells. It may also be involved in neurogenesis and in the development of cortical architecture. This antibody is a mouse monoclonal antibody raised against a peptide mapping within human MEF2C.

Read more about this antibody on the blog: <http://blog.ptglab.com/index.php/mef2c-antibody-features-in-nature-biotechnology/>

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data