

For Research Use Only

# CoraLite® Plus 488-conjugated MEF2C Polyclonal antibody



Catalog Number: **CL488-20326**

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>CL488-20326                             | <b>GenBank Accession Number:</b><br>BC026341    | <b>Purification Method:</b><br>Antigen Affinity Purified              |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>4208                   | <b>Recommended Dilutions:</b><br>IF 1:50-1:500                        |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>myocyte enhancer factor 2C | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>469 aa, 51 kDa         |   |
| <b>Immunogen Catalog Number:</b><br>AG13255                       | <b>Observed MW:</b><br>65-68 kDa                |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IF                | <b>Positive Controls:</b><br>IF : mouse brain tissue, |
| <b>Species Specificity:</b><br>human, mouse, rat |   |

## 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 rabbit polyclonal antibody raised against an internal 161Aa region of human MEF2C. Phosphorylation and acetylation may affect the molecular weight of protein, and 60-70kd was also been reported (PMID:28973134).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

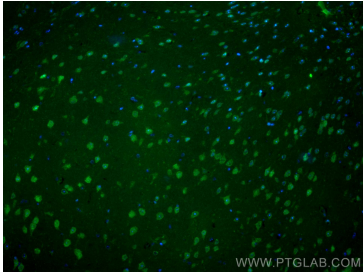
For technical support and original validation data for this product please contact:

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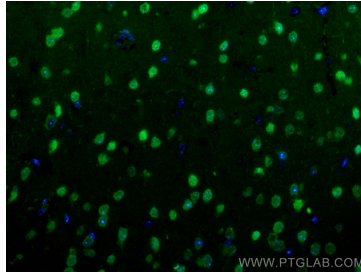
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoralLite® Plus 488 MEF2C antibody (CL488-20326) at dilution of 1:200.



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