

For Research Use Only

# CoraLite® Plus 488-conjugated MYH1 Monoclonal antibody



Catalog Number:CL488-67299

## Basic Information

<b>Catalog Number:</b> CL488-67299	<b>GenBank Accession Number:</b> BC114545	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4619	<b>CloneNo.:</b> 1G10H9
<b>Source:</b> Mouse	<b>Full Name:</b> myosin, heavy chain 1, skeletal muscle, adult	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 1939 aa, 223 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG17129	<b>Observed MW:</b> 220 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : mouse skeletal muscle tissue,
<b>Species Specificity:</b> Human, mouse, pig	

## Background Information

MYH1 (MyHC-2x) encodes the IIX isoform of myosin heavy chain (MyHC). Myosin is a large, ubiquitous, motor protein that generates force through its interaction with actin, thus involving it in a number of cellular processes including cytokinesis, karyokinesis, cell migration, and muscle contraction. Muscle fibers can be divided as type 1 (slow) and type 2 (fast). MYH1 belongs to type 2.

## 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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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using CoraLite® Plus 488 MYH1 antibody (CL488-67299, Clone: 1G10H9) at dilution of 1:200.