For Research Use Only

CoraLite® Plus 488-conjugated MYH1 Monoclonal antibody



Purification Method:

Protein A purification

Recommended Dilutions:

Excitation/Emission maxima

CloneNo.:

IF 1:50-1:500

wavelengths: 493 nm / 522 nm

1G10H9

Catalog Number: CL488-67299

Basic Information

Catalog Number: CL488-67299

1000 µg/ml Source: Mouse Isotype: IgG2a

Immunogen Catalog Number:

AG17129

Tested Applications:

Species Specificity: Human, mouse, pig

GenBank Accession Number:

BC114545 GeneID (NCBI): 4619 **UNIPROT ID:** P12882 Full Name: myosin, heavy chain 1, skeletal

muscle, adult Calculated MW: 1939 aa, 223 kDa

220 kDa

Observed MW:

Positive Controls:

IF: mouse skeletal muscle tissue,

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

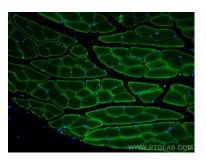
Applications

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.