

For Research Use Only

CoraLite® Plus 488-conjugated Myoglobin Monoclonal antibody



Catalog Number: CL488-66205

Basic Information

| | | |
|--|--|---|
| Catalog Number: CL488-66205 | GenBank Accession Number: BC014547 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 4151 | CloneNo.: 1A4F7 |
| Source: Mouse | UNIPROT ID: P02144 | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Isotype: IgG1 | Full Name: myoglobin | |
| Immunogen Catalog Number: AG8979 | Calculated MW: 154 aa, 17 kDa | |
| | Observed MW: 17-18 kDa | |

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse

Background Information

Myoglobin is a cytoplasmic hemoprotein that is expressed primarily in cardiomyocytes and oxidative skeletal muscle fibers, functioning on facilitating oxygen transport and modulating nitric oxide homeostasis within cardiac and skeletal myocytes. Recent studies indicated that myoglobin was also expressed in non-muscle tissues. This antibody well recognized endogenous myoglobin in muscle lysates.

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

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

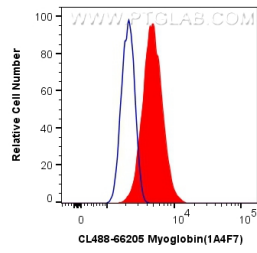
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ C2C12 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Myoglobin (CL488-66205, Clone:1A4F7) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).