

# CoraLite® Plus 488-conjugated MYC tag Recombinant monoclonal antibody

Catalog Number: CL488-80469-2

## Basic Information

**Catalog Number:**

CL488-80469-2

**GenBank Accession Number:****GeneID (NCBI):**

99

**Size:**

100ul , Concentration: 1000 ug/ml by Nanodrop;

**UNIPROT ID:**

MYCTAG

**Source:**

Rabbit

**Full Name:**

Myc tag

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9409

**Purification Method:**

Protein A purification

**CloneNo.:**

241611D1

**Recommended Dilutions:**

IF/ICC: 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Positive Controls:**

IF/ICC : Transfected HEK-293 cells,

**Species Specificity:**

recombinant protein

## Background Information

The myc-tag is a short synthetic polypeptide sequence derived from c-MYC protein that can be added to recombinant proteins to enable isolation and study when an antibody is not available. This antibody recognizes the MYC tag EQKLISEEDL. MYC tag is a part of c-MYC protein. So there's weaker 62-65 kDa bands for endogenous c-MYC protein. What is the molecular weight of myc? 1203Da: the ten amino acid myc tag sequence is EQKLISEEDL (in single letter code). What are the applications for myc tag? The addition of the myc tag to a particular protein can be useful when an antibody is not available to the protein of interest. Using recombinant DNA technology, the myc tag can be fused to the protein and then an antibody against the myc tag can be used to probe (PMID: 24490106). This is a reliable method and can be used in a number of different techniques, including purification using chromatography, tracking the protein in localization studies using immunofluorescence, or quantifying levels using Western Blot (PMID: 24490106). What is the structure of myc tag? The c-myc gene from which this tag is derived has a molecular weight of 49kDa, but the myc tag represents only a small portion of the C-terminus of this gene. The short polypeptide sequence can be fused to the N-terminus or the C-terminus of any protein without influencing function, although it is advised to avoid fusing it to a secretory signal. A cleavage site behind this tag is also sometimes engineered to allow removal with a specific protease.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

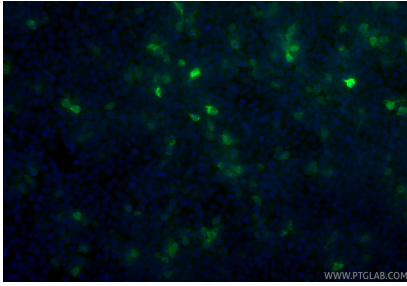
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed Transfected HEK-293 cells using CoraLite®  
Plus 488 MYC tag antibody (CL488-80469-2, Clone:  
241611D1 ) at dilution of 1:200.