

For Research Use Only

# CoraLite® Plus 647-conjugated IFN-gamma R2 Polyclonal antibody

Catalog Number:CL647-10266



## Basic Information

**Catalog Number:**

CL647-10266

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0317

**GenBank Accession Number:**

BC003624

**GeneID (NCBI):**

3460

**UNIPROT ID:**

P38484

**Full Name:**

interferon gamma receptor 2 (interferon gamma transducer 1)

**Calculated MW:**

45 kDa

**Observed MW:**

50-55 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IF/ICC: 1:300-1:1200

**Excitation/Emission maxima wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : A549 cells,

## Background Information

Interferon-gamma (IFN- $\gamma$ ) is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Cellular responses to IFN- $\gamma$  are activated through its interaction with a heterodimeric receptor consisting of two subunits, IFNGR1 and IFNGR2. IFNGR1 is the ligand-binding subunit which binds IFN- $\gamma$  with high affinity, whereas IFNGR2 serves as the accessory subunit which attaches to IFN- $\gamma$  with a significantly lower affinity. Two subunits bind one IFN- $\gamma$  dimer. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. (PMID: 17981204; 946248; 10888113)

## 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 Methanol) fixed A549 cells using CoraLite® Plus 647 IFN-gamma R2 antibody (CL647-10266) at dilution of 1:600.