

For Research Use Only

# CoraLite® Plus 488-conjugated STAT1 Recombinant antibody

Catalog Number: CL488-82016

Featured Product



## Basic Information

**Catalog Number:**

CL488-82016

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0199

**GenBank Accession Number:**

BC002704

**GeneID (NCBI):**

6772

**UNIPROT ID:**

P42224

**Full Name:**

signal transducer and activator of  
transcription 1, 91kDa

**Calculated MW:**

83 kDa

**Observed MW:**

84 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2F16

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF/ICC : IFN alpha treated HeLa cells,

## Background Information

STAT1 (signal transducers and activators of transcription 1) is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. Various ligands, including interferons- and - , EGF, PDGF and IL-6, can activate STAT1. STAT1 protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens.

## 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

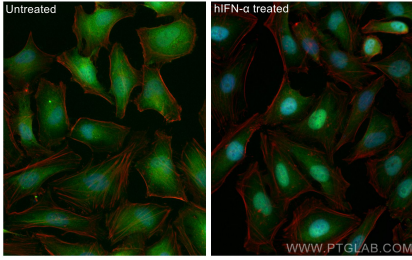
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed IFN alpha treated HeLa cells using Coralite® Plus 488 STAT1 antibody (CL488-82016, Clone: 2F16) at dilution of 1:200, CL594-phalloidin (red).