

For Research Use Only

# CoraLite® Plus 488-conjugated STAT1 Polyclonal antibody



Catalog Number: CL488-10144

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-10144	<b>GenBank Accession Number:</b> BC002704	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6772	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> signal transducer and activator of transcription 1, 91kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 83 kDa	
<b>Immunogen Catalog Number:</b> AG0199		

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, rat

## 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 - $\gamma$ , 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. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human STAT1.

## 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.

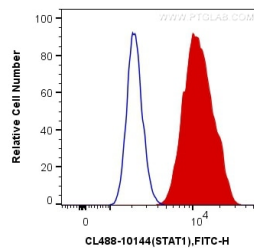
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

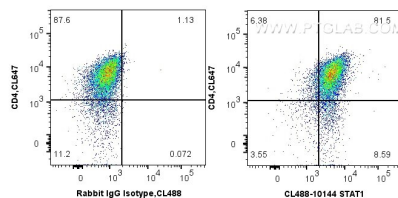
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human STAT1 (CL488-10144) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1X10<sup>6</sup> mouse Th1 were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human STAT1 (CL488-10144) (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).