

For Research Use Only

# CoraLite® Plus 488-conjugated Phospho-STAT5A (Ser726)/STAT5B (Ser731) Recombinant antibody

Catalog Number: CL488-80138-2



## Basic Information

Catalog Number:

CL488-80138-2

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC027036

GeneID (NCBI):

6776

UNIPROT ID:

P42229

Full Name:

signal transducer and activator of transcription 5A

Calculated MW:

794 aa, 92 kDa

Observed MW:

90-95 kDa

Purification Method:

Protein A purification

CloneNo.:

240709D6

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

## Background Information

STAT5 proteins consisting of STAT5A and STAT5B are the main targets of IL-3 signaling. Upon cytokine stimulation, JAK2 phosphorylates STAT5 and the phosphorylated STAT5 proteins dimerize and translocate into the nucleus, where, by binding DNA, they activate target genes including c-fos. In addition to this JAK-catalyzed tyrosine phosphorylation, STAT5 may undergo serine phosphorylation in the carboxy-terminal P(M)SP site in response to prolactin. (PMID: 15795318)

## 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:

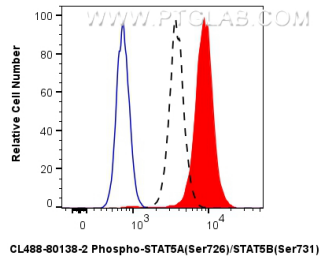
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1X10<sup>6</sup> TF-1 cells untreated (dashed lines) or treated with GM-CSF which intracellularly stained with 0.25 ug CoraLite® Plus 488 Phospho-Stat5a (Ser726)/Stat5b (Ser731) Recombinant Antibody (CL488-80138-2, Clone:240709D6)(red), or 0.25 ug CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.