

For Research Use Only

CoraLite®594-conjugated STAT5B Monoclonal antibody



Catalog Number:CL594-66427

Basic Information

Catalog Number: CL594-66427	GenBank Accession Number: BC020868	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6777	CloneNo.: 1D9B11
Source: Mouse	Full Name: signal transducer and activator of transcription 5B	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 787 aa, 90 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG2709	Observed MW: 90 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: human	

Background Information

STAT5B belongs to the transcription factor STAT 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. STAT5B carries out a dual function: signal transduction and activation of transcription. STAT5B mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different GH. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. Despite the 95% homology between the immunogen (Ag2709) and the STAT5A protein, our WB detection showed that this antibody does not recognize the STAT5A fusion protein (Ag19546).

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

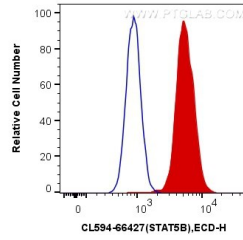
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite@594 STAT5B antibody (CL594-66427, Clone: 1D9B11) at dilution of 1:200, CL488-Phalloidin (green).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Coralite@594 Anti-Human STAT5B (CL594-66427, Clone:1D9B11) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).