

For Research Use Only

CoraLite® Plus 647-conjugated Phospho-STAT3 (Ser727) Recombinant monoclonal antibody

Catalog Number: CL647-80199-2



Basic Information

Catalog Number: CL647-80199-2	GenBank Accession Number: BC000627	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6774	CloneNo.: 240778A12
Source: Rabbit	UNIPROT ID: P40763	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: signal transducer and activator of transcription 3 (acute-phase response factor)	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Calculated MW: 770 aa, 88 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : Calyculin A treated 100nM 0.5h HEK-293T cells,
Species Specificity: human	

Background Information

Signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3, synonyms: APRF, FLJ20882, MGC16063) 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. STAT3 is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. STAT3 mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis.

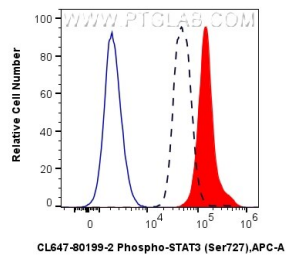
Storage

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



1X10⁶ HEK-293T cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.25 ug Coralite® Plus 647 Phospho-Stat3 (Ser727) Recombinant Antibody (CL647-80199-2, Clone:240778A12)(red), or 0.25 ug Coralite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).