

For Research Use Only

# CoraLite®594-conjugated SYK Monoclonal antibody



Catalog Number:CL594-66721

Featured Product

## Basic Information

<b>Catalog Number:</b> CL594-66721	<b>GenBank Accession Number:</b> BC001645	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6850	<b>CloneNo.:</b> 4C4A12
<b>Source:</b> Mouse	<b>Full Name:</b> spleen tyrosine kinase	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 635 aa, 72 kDa	
<b>Immunogen Catalog Number:</b> AG17654	<b>Observed MW:</b> 70-75 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human

## Background Information

SYK(spleen tyrosine kinase) is a key regulator of signal transduction events,apoptosis and orderly cell cycle progression in B-lineage lymphoid cells. Although SYK has not been linked to a human disease, defective expression of the closely related T-cell tyrosine kinase ZAP-70 has been associated with severe combined immunodeficiency(PMID:11494125). This protein has 2 isoforms produced by alternative splicing.

## 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.

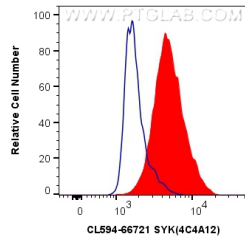
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
W: ptglab.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> K-562 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human SYK (CL594-66721, Clone:4C4A12) (red), or 0.8 ug CoraLite®594 Mouse IgG2b Isotype Control (MPC-11) (CL594-65128, Clone: MPC-11) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).