

For Research Use Only

# CoraLite® Plus 488-conjugated Phospho-SYK (Tyr323) Recombinant antibody

Catalog Number: CL488-83331



## Basic Information

<b>Catalog Number:</b> CL488-83331	<b>GenBank Accession Number:</b> BC001645	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6850	<b>CloneNo.:</b> 2H24
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000165025	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P43405	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
	<b>Full Name:</b> spleen tyrosine kinase	
	<b>Calculated MW:</b> 72 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : pervanadate treated Ramos cells,
<b>Species Specificity:</b> 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. The study found that in human platelets, inhibition of PKC leads to Syk hyperphosphorylation on residues Tyr-525/526 whereas Tyr-323 and Tyr-352 phosphorylations are unaffected. PKC negatively regulates Syk activity, as evidenced by hyperphosphorylation of downstream targets, LAT and PLC  $\gamma$  2 upon PKC inhibition. (PMID: 23960082)

## 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:

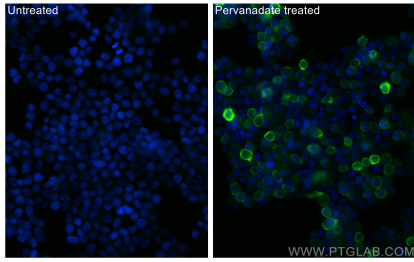
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed pervanadate treated Ramos cells using CoraLite® Plus 488 Phospho-SYK (Tyr323) antibody (CL488-83331, Clone: 2H24) at dilution of 1:200.