

For Research Use Only

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

Catalog Number: **CL488-83331**



## Basic Information

Catalog Number:

**CL488-83331**

Concentration:

**1000 ug/ml**

Source:

**Rabbit**

Isotype:

**IgG**

GenBank Accession Number:

**BC001645**

GeneID (NCBI):

**6850**

ENSEMBL Gene ID:

**ENSG00000165025**

UNIPROT ID:

**P43405**

Full Name:

**spleen tyrosine kinase**

Calculated MW:

**72 kDa**

Observed MW:

**70 kDa**

Purification Method:

**Protein A purification**

CloneNo.:

**2H24**

Recommended Dilutions:

**IF/ICC 1:50-1:500**

Excitation/Emission maxima

**wavelengths:**

**493 nm / 522 nm**

## Applications

Tested Applications:

**IF/ICC**

Species Specificity:

**human**

Positive Controls:

**IF/ICC : pervanadate treated Ramos cells,**

## 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:

T: 4006900926

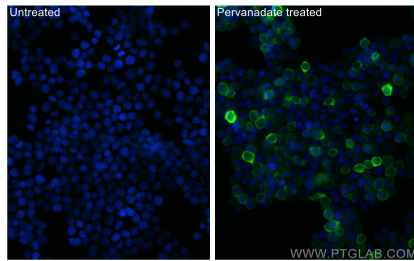
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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

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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.