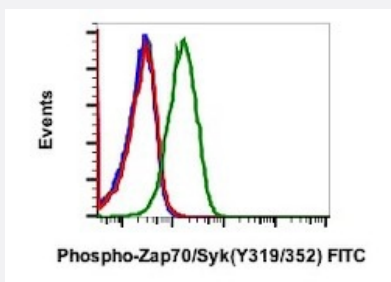


ZAP70/SYK (phospho Y319) monoclonal antibody, clone A3 (FITC)

Catalog # MAB23430 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells with ZAP70/SYK (phospho Y319) monoclonal antibody, clone A3 (FITC) (Cat # MAB23430). Untreated (red) or treated with pervanadate (green) or concentration-matched Rabbit (G9) mAb IgG Isotype Control (PE Conjugate) for cells untreated (black) or treated with pervanadate (blue).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human ZAP70/SYK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y319 of human ZAP70/SYK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Conjugation	FITC
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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Gene Info — SYK

Entrez GeneID

[6850](#)

Gene Name

SYK

Gene Alias

DKFZp313N1010, FLJ25043, FLJ37489

Gene Description

spleen tyrosine kinase

Omim ID

[600085](#)

Gene Ontology

[Hyperlink](#)

Other Designations

OTTHUMP00000021627|OTTHUMP00000021628

Gene Info — ZAP70

Entrez GeneID

[7535](#)

Gene Name

ZAP70

Gene Alias

FLJ17670, FLJ17679, SRK, STD, TZK, ZAP-70

Gene Description

zeta-chain (TCR) associated protein kinase 70kDa

Omim ID

[176947](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

syk-related tyrosine kinase|zeta-chain (TCR) associated protein kinase (70 kD)|zeta-chain associated protein kinase 70kDa|zeta-chain associated protein kinase, 70kD

Pathway

- [B cell receptor signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [HIV Infections](#)
- [Lymphedema](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Tobacco Use Disorder](#)