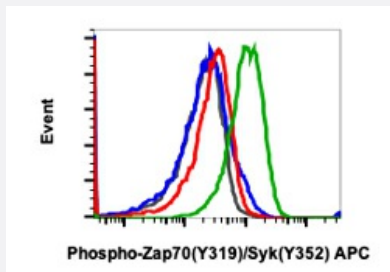


RecomAb™

ZAP70/SYK recombinant monoclonal antibody, clone Zap70Y319-A3 (APC)

Catalog # RAB02920 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells untreated (red) or treated with pervanadate (green) using Phospho-Zap70 (Tyr319)/Syk (Tyr352) (A3) rabbit mAb (APC Conjugate), Zap70Y319-A3, or concentration-matched Rabbit (G9) mAb IgG Isotype Control (APC Conjugate) for cells untreated (black) or treated with pervanadate (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ZAP70/SYK.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr319/Tyr352 of human phospho Zap70/Syk.
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
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
Protein Accession#	P43403;P43405
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
Protein Accession#	P43403;P43405
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](#)