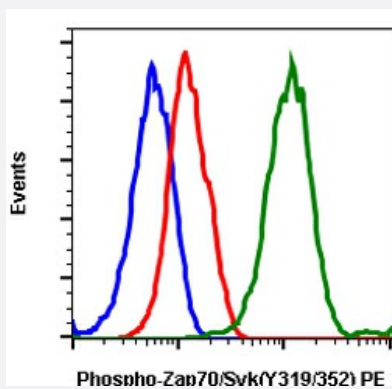


RecomAb™

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

Catalog # RAB02918      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of Jurkat cells unstained untreated cells as negative control (blue) or stained and untreated (red) or stained and treated with pervanadate (green) using phospho-Zap70 (Tyr319)/Syk (Tyr352) antibody ZapY319-A3 PE conjugate.

## 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	PE
Purification	Protein A purification, Protein G purification
Isotype	IgG

<b>Recommend Usage</b>	Flow Cytometry The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	1X PBS, 0.09% Sodium azide, 0.2% BSA
<b>Storage Instruction</b>	Store at 4°C. Do not freeze.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — SYK

<b>Entrez GeneID</b>	<a href="#">6850</a>
<b>Protein Accession#</b>	<a href="#">P43403;P43405</a>
<b>Gene Name</b>	SYK
<b>Gene Alias</b>	DKFZp313N1010, FLJ25043, FLJ37489
<b>Gene Description</b>	spleen tyrosine kinase
<b>Omim ID</b>	<a href="#">600085</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Other Designations</b>	OTTHUMP00000021627 OTTHUMP00000021628

## Gene Info — ZAP70

<b>Entrez GeneID</b>	<a href="#">7535</a>
<b>Protein Accession#</b>	<a href="#">P43403;P43405</a>
<b>Gene Name</b>	ZAP70
<b>Gene Alias</b>	FLJ17670, FLJ17679, SRK, STD, TZK, ZAP-70

Gene Description	zeta-chain (TCR) associated protein kinase 70kDa
Omim ID	<a href="#">176947</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)