

## ZAP70 (Phospho-Tyr493) Antibody FITC Conjugated

Catalog No: #C04735F

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## Description

Product Name	ZAP70 (Phospho-Tyr493) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICCB IF
Species Reactivity	HuB MsB RtB B B B B
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from human Zap-70 around the phosphorylation site of Tyr493
Conjugates	FITC
Target Name	ZAP70 Tyr493
Other Names	Zap-70Tyr493; ZAP70 phospho Y493; p-ZAP70 Y292; p-Zap-70Tyr292; p-Zap-70Y292; ZAP-70; ZAP 70; ZAP70; zeta-associated protein 70; ZAP-70=protein tyrosine kinase Syk homolog {SH2-like and C-terminal kinase domains}; Tyrosine-protein kinase ZAP-70; 70 kDa zeta-associated protein; Syk-related tyrosine k
Accession No.	NCBI Gene ID7535
Uniprot	P43403
GeneID	7535;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200B IF=1:200-800B

## Background

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, Jul 2008].

Note: This product is for in vitro research use only