

**Product Name: ZAP70 (4B2) Mouse Monoclonal Antibody**  
**Catalog #: AMM03513**

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## Summary

<b>Production Name</b>	ZAP70 (4B2) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	ZAP70
<b>Alternative Names</b>	ZAP70; SRK; Tyrosine-protein kinase ZAP-70; 70 kDa zeta-chain associated protein; Syk-related tyrosine kinase
<b>Gene ID</b>	7535
<b>SwissProt ID</b>	P43403

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IP: 1/20
<b>Molecular Weight</b>	Calculated MW: 70 kDa; Observed MW: 70 kDa

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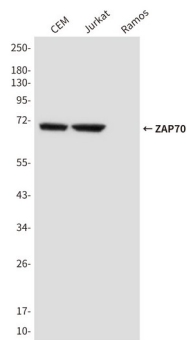
## Background

The Syk family protein tyrosine kinase Zap-70 is expressed in T and NK cells and plays a critical role in mediating T cell activation in response to T cell receptor (TCR) engagement. Following TCR engagement, Zap-70 is rapidly phosphorylated on several tyrosine residues through autophosphorylation and transphosphorylation by the Src family tyrosine kinase Lck.

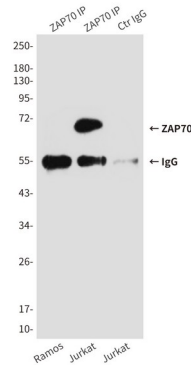
## Research Area

Immunology

## Image Data



Western blot analysis of ZAP70 in CEM and Jurkat lysates, negative in the Ramos lysates using ZAP70 antibody.



Immunoprecipitation analysis of ZAP70 (4B2) in Jurkat lysates (ZAP70 positive expression cell line) and Ramos lysates (ZAP70 negative expression cell line) using ZAP70 antibody.

## Note

For research use only.