

DATASHEET

ZAP70 Mouse Monoclonal Antibody(C3049)

CAT. NO. AMA02661

KEY FEATURES

Target	ZAP70	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Tyrosine kinase that plays an essential role in regulation of the adaptive immune response. Regulates motility, adhesion and cytokine expression of mature T-cells, as well as thymocyte development. Also contributes to the development and activation of primary B-lymphocytes. When antigen presenting cells (APC) activate T-cell receptor (TCR), a series of phosphorylations lead to the recruitment of ZAP70 to the phosphorylated TCR components CD3E and CD247/CD3Z through ITAM motif at the plasma membrane activate T-cell receptor (TCR), a series of phosphorylations lead to the recruitment of ZAP70 to the phosphorylated TCR components CD3E and CD247/CD3Z through ITAM motif at the plasma membrane .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to ZAP70
Specificity	Recognizes endogenous levels of ZAP70 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ZAP70 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 70 kD; Observed: 70 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	SRK; Tyrosine-protein kinase ZAP-70; 70 kDa zeta-chain associated protein; Syk-related tyrosine kinase
Gene Symbol	ZAP70
Entrez Gene	7535(Human)
SwissProt	P43403(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

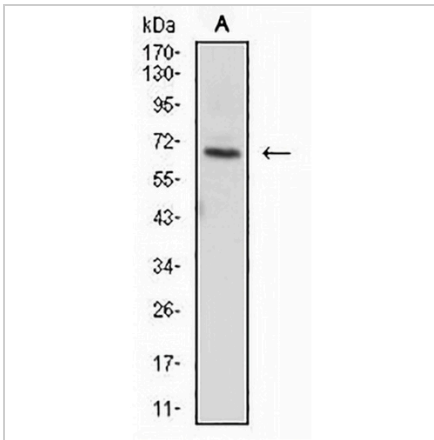
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

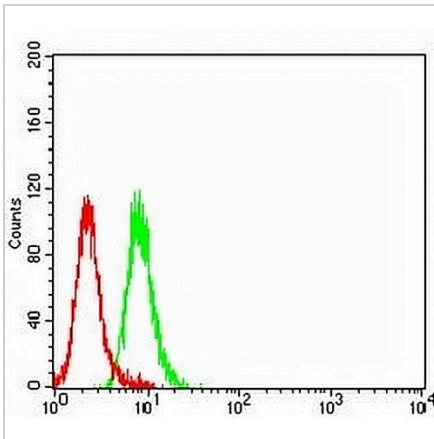
ZAP70 Mouse Monoclonal Antibody(C3049)

CAT. NO. AMA02661

DATA



Western blot analysis of ZAP70 expression in MLOT4 (A) whole cell lysates. (Predicted band size: 70 kD; Observed band size: 70 kD)



Flow cytometric analysis of Jurkat cells using Anti-ZAP70 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.