

## ZAP70 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA3869
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human ZAP70 (AA: 169-390) expressed in E. Coli.
<b>Mol wt</b>	69.9kDa
<b>Species reactivity</b>	Others
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	SRK;STD;TZK;STCD;IMD48;ADMIO2;ZAP-70

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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.

### Recommended Dilution

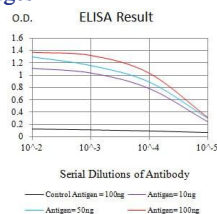
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

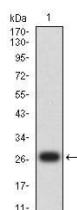
ELISA: 1:10000

Not yet tested in other applications.

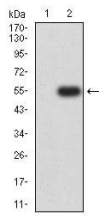
### Images



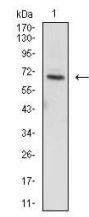
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



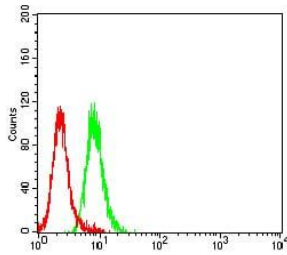
Western blot analysis using ZAP70 mAb against human ZAP70 (AA: 169-390) recombinant protein. (Expected MW is 27.9 kDa)



Western blot analysis using ZAP70 mAb against HEK293 (1) and ZAP70 (AA: 169-390)-hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using ZAP70 mouse mAb against MLOT4 (1) cell lysate.



Flow cytometric analysis of Jurkat cells using ZAP70 mouse mAb (green) and negative control (red).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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