

## ZAP70 Monoclonal Antibody

### Description

Product type	Antibody
Code	BT-MCA2633
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human ZAP70 expressed in E. Coli.
Mol wt	70kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC
Concentration	N/A
Full name	N/A
Synonyms	SRK;STD;TZK

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

### Background

ZAP70 (zeta-chain associated protein kinase), a 70 kDa member of the SYK tyrosine kinase family, plays a central role in lymphocyte activation and development, and is implicated in several immune disorders. ZAP70 controls TCR(T-cell antigen receptor)-linked signal transduction pathways. Its key role in thymocytes development and mature T lymphocytes activation has been illustrated by the characterization of several human immunodeficiencies presenting with mutations in the ZAP70 gene. ZAP70 is also expressed in several types of B-cell neoplasm and is easily detected by immunohistochemistry, providing a useful prognostic marker in patients with chronic lymphocytic leukaemia.

### Recommended Dilution

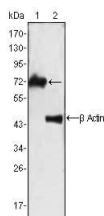
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

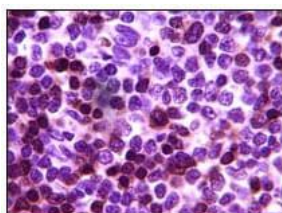
ELISA: 1:10000

Not yet tested in other applications.

### Images



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



Immunohistochemical analysis of paraffin-embedded human lymph tumor, showing cytoplasmic localization using ZAP70 mouse mAb with DAB staining

## Storage

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

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