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Monoclonal Antibody to ZAP70 - FITC

Alternate names: 70 kDa zeta-associated protein, SRK, Syk-related tyrosine kinase, ZAP 70, ZAP-70

Catalog No.: AM01263FC-S

Quantity: 25 µg

Concentration: 0.1 mg/ml

Background: ZAP-70 is a 70kDa tyrosine protein kinase which associates with the T-cell receptor (TCR) zeta chain and undergoes phosphorylation following TCR stimulation. ZAP-70 is primarily expressed in T lymphocytes and natural killer cells, where it plays a key role in T-cell receptor (TCR) signalling. Recent studies suggest that ZAP-70 is also expressed in a population of normal immature B-cells and in B-cells from a sub-set of patients with chronic lymphocytic leukaemia.

Uniprot ID: P43403

NCBI: NP_001070.2

GeneID: 7535

Host / Isotype: Mouse / IgG1

Clone: SBZAP

Immunogen: Peptide corresponding to amino acid residues 280-309 of human ZAP-70, conjugated to KLH.

Format:
State: Liquid purified IgG
Buffer System: Phosphate buffered saline containing 0.09% Sodium azide
Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications:
Flow Cytometry.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody recognises human ZAP-70.
Species: Human.
Other species not tested.

Storage:
Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.

Caution: (A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

General Readings:
1. Roifman CM, Hummel D, Martinez-Valdez H, Thorner P, Doherty PJ, Pan S, et al. Depletion of CD8+ cells in human thymic medulla results in selective immune deficiency. J Exp Med.

1989 Dec 1;170(6):2177-82. PubMed PMID: 2511270.
2. Arpaia E, Shahar M, Dadi H, Cohen A, Roifman CM. Defective T cell receptor signaling and CD8+ thymic selection in humans lacking zap-70 kinase. Cell. 1994 Mar 11;76(5):947-58. PubMed PMID: 8124727.