

PE Rabbit anti-Human Phospho-Zap70-Y319+Syk-Y352 mAb

Catalog No.: AP1553

Basic Information

Observed MW

Calculated MW

70kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human, Mouse

CloneNo number

ARC71884

Conjugate

PE. Ex:565nm. Em:574nm.

Background

Zap-70, a Syk family protein tyrosine kinase, is expressed in T and NK cells and plays a critical role in mediating T cell activation upon engagement of the T cell receptor (TCR) (1). Following TCR binding, Zap-70 is rapidly phosphorylated on multiple tyrosine residues through autophosphorylation and transphosphorylation by the Src family tyrosine kinase Lck (2-6). Tyrosine phosphorylation is associated with enhanced Zap-70 kinase activity and downstream signaling events. Zap-70 expression is associated with disease progression and survival in patients with chronic lymphocytic leukemia.

Recommended Dilutions

FC (intra) 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

7535

Swiss Prot

P43403

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

SRK; STD; TZK; STCD; IMD48; ADMIO2; ZAP-70

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

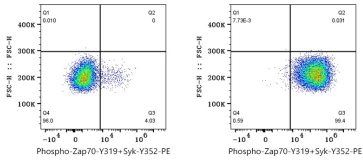
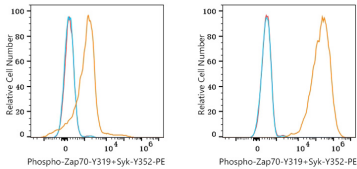
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ EL4 cells (untreated,left) and EL4 cells (treated with H₂O₂ and pervanadate,right) were intracellularly-stained with PE Rabbit anti-Human/Mouse Phospho-Zap70-Y319+Syk-Y352 mAb (AP1553,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10⁶ EL4 cells (untreated,left) and EL4 cells (treated with H₂O₂ and pervanadate,right) were intracellularly-stained with PE Rabbit anti-Human/Mouse Phospho-Zap70-Y319+Syk-Y352 mAb (AP1553,2 µl/Test).