

## Anti-ZAP70 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9968-Biotin

### About ZAP70

ZAP-70 (Zeta-chain-associated protein kinase 70) 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.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-ZAP70 Antibody Picoband® Biotin Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.                             |
| Host                 | Rabbit   |
| Uniprot ID           | P43403   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | A synthetic peptide corresponding to a sequence in the middle region of human ZAP70, different from the related mouse sequence by two amino acids. |
| Cross Reactivity    | No cross-reactivity with other proteins  |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | Biotin   |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements.   |

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