



## CELL LAB Mouse Anti-Human ZAP-70 (TCR $\zeta$ )

Cat. No.	Form	Quantity
731894	Purified (UNLB) Antibody	0.025 mg
731893	Purified (UNLB) Antibody	0.1 mg
731896	Fluorescein (FITC) Conjugate	0.025 mg
731895	Fluorescein (FITC) Conjugate	0.1 mg
731897	Alkaline phosphatase (AP) Conjugate	1.0 mL
731898	Horseradish peroxidase (HRP) Conjugate	1.0 mL
731900	Biotin (BIOT) Conjugate	0.025 mg
731899	Biotin (BIOT) Conjugate	0.1 mg
731902	Phycoerythrin (PE) Conjugate	0.025 mg
731901	Phycoerythrin (PE) Conjugate	0.1 mg

**For Research Use Only. Not for use in diagnostic procedures.**

### DESCRIPTION

**Clone:** SBZAP  
**Antigen:** Human ZAP-70 amino acid residues 280-309  
**Isotype:** Mouse IgG1 $\kappa$   
**Specificity:** Human TCR  $\zeta$  (Zeta) Zap-70 Mr 70 kDa

ZAP-70, also known as TCR  $\zeta$  associated protein, is a protein tyrosine kinase (PTK) with the primary role of catalyzing the phosphorylation of tyrosine residues in cellular proteins, and thus, contributes significantly to the initiation of cell signaling. Zap 70 is expressed on T cells and NK cells. The monoclonal antibodies SB70 and SBZAP were generated against a KLH-peptide sequence corresponding to the human ZAP 70 amino acid residues 280-309.

### APPLICATIONS

- Western blotting
- Enzyme-Linked Immunosorbent Assay (ELISA)

### CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using ELISA, Particle Concentration Fluorescence Immunoassay and/or flow cytometry.

### WORKING DILUTIONS

**Western Blotting:** Purified antibodies  $\leq 1 \mu\text{g}/10^6$  cells

**ELISA:** AP conjugate 1:500-1:1,000  
HRP conjugate 1:1,000-1:2,000

**Other Applications:** Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

## HANDLING AND STORAGE

- The purified antibodies are supplied as 0.025 mg of purified immunoglobulin in 0.25 mL or 0.1 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- The fluorescein (FITC) conjugates are supplied as 0.025 mg in 0.25 mL or 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% 50 mM Tris, pH 8.0, containing 0.1% NaN<sub>3</sub> as preservative.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added.
- The biotin (BIOT) conjugates are supplied as 0.025 mg in 0.25 mL or 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub>.
- The Phycoerythrin (PE) conjugate is supplied as 0.025 mg in 0.25 mL or 0.1 mg in 1.0 mL in PBS/NaN<sub>3</sub> and a stabilizing agent.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Do not freeze.

## STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
3. Do not use reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use Good Laboratory Practice (GLP) when handling this reagent.
6. Harmful if swallowed.
7. After contact with skin, wash immediately with plenty of water.
8. Contains sodium azide. Sodium azide under acidic conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, immediately wash excessively with water.

## TRADEMARKS

The Beckman Coulter logo is a trademark of Beckman Coulter, Inc.

For additional information or if damaged product is received, contact your local Beckman Coulter Representative.



Manufactured for:  
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