

PE anti-human/mouse ZAP-70

Catalog # / Size: 313403 / 25 tests
313404 / 100 tests

Clone: 1E7.2

Isotype: Mouse IgG1

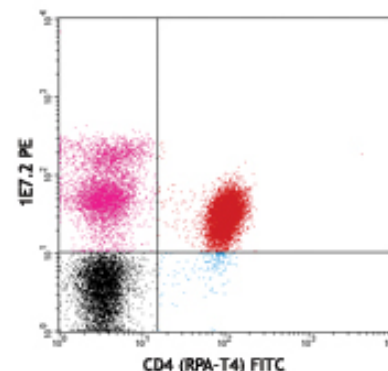
Immunogen: GST-fusion protein corresponding to residues 282-307 of human ZAP-70

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes intracellularly stained with CD4 FITC and 1E7.2 PE

Applications:

Applications: ICFC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 µl to 5 µl per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation², Western blotting².

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Application References:

1. Qian D, *et al.* 1997. *J. Exp. Med.* 185:1253. (ICFC)
2. Crespo M, *et al.* 2003. *New Engl. J. Med.* 348:1764. (WB IP)
3. Jamroziak K, *et al.* 2009. *Cancer Epidemiol Biomarkers Prev.* PubMed

Description: ZAP-70 is a 70 kD protein tyrosine kinase associated with the zeta chain of the T cell receptor. It is expressed in T cells and NK cells and has been shown to be involved in T cell signaling. Defects in ZAP-70 have been linked to selective T cell defects. The ZAP-70 kinase undergoes multiple phosphorylation events after T cell receptor engagement and interacts with a number of proteins involved in signal transduction. Recently, ZAP-70 has been identified as an important prognostic marker in B-cell chronic lymphocytic leukemia (B-CLL). The 1E7.2 monoclonal antibody recognizes human and mouse ZAP-70 and has been shown to be useful for flow cytometry, Western blotting, and immunoprecipitation.

Antigen References:

1. Chan AC, *et al.* 1992. *Cell* 71:649.
2. Chan AC, *et al.* 1994. *Science* 264:1559.
3. Arpaia E, *et al.* 1994. *Cell* 76:947.

Related Products:

| | | |
|---|--------------|--------------------|
| Product | Clone | Application |
| PE Mouse IgG1, κ Isotype Ctrl | MOPC-21 | FC, ICFC |
| Cell Staining Buffer | | FC, ICC, ICFC |
| Fixation Buffer | | ICC, ICFC |
| Permeabilization Wash Buffer (10X) | | ICC, ICFC, IHC |
| Human TruStain FcX™ (Fc Receptor Blocking Solution) | | FC, ICC, ICFC |



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