

**PE anti-CD247 (TCRζ, CD3ζ;)**

**Catalog # / Size:** 3820530 / 100 µg  
3820525 / 25 µg

**Clone:** 6B10.2

**Isotype:** Mouse IgG1 κ

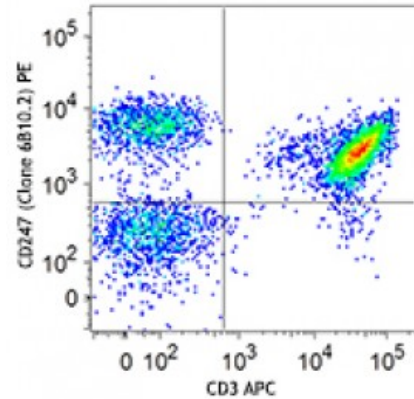
**Immunogen:** Human TCR zeta chain aa38-54

**Reactivity:** Human

**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.

**Concentration:** 0.2



Human peripheral blood lymphocytes were surface stained with CD3 APC and then treated with Fixation Buffer and the Permeabilization buffer. Cells were then stained with CD247 (clone 6B10.2) PE (top) or mouse IgG1, κ PE isotype control (bottom).

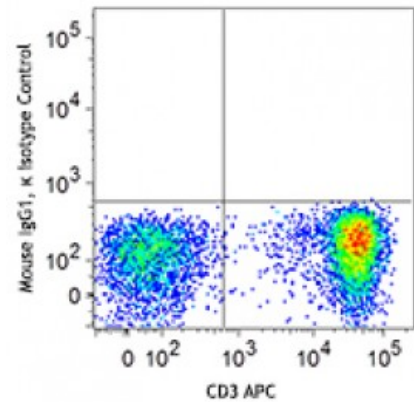
**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.2 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** *This product is for in vitro research use only. It is not to be used for commercial purposes. Use of this product to produce products for sale or for diagnostic therapeutic or drug discovery purposes is prohibited. In order to obtain a license to use this product for commercial purposes contact The Regents of the University of California.*

**Application References:** 1.Zhang Z, *et al.* 2007. *Blood* 109:4328. (Block)  
2.Gorman CL, *et al.* 2008. *J. Immunol.* 180:1060.  
3.Jenson WA, *et al.* 1997. *Eur J. Immunol.* 27:707.  
4. Mao H, *et al.* 2010. *J. Virol.* 84:4148. [PubMed](#)  
5. Hwang I, *et al.* 2012. *Int Immunol.* 24:793. [PubMed](#).



**Description:** The invariant TCR zeta chain is a member of the CD3 complex associated with the

clonotypic  $\alpha/\beta$  TCR heterodimer. The disulfide-linked TCR zeta homodimers transmit signals following TCR ligation. Loss of TCR zeta expression has been reported in a diverse range of disease states, including autoimmune diseases, many neoplastic conditions and chronic infections, such as tuberculosis and leprosy.

**Antigen  
References:**

1. Weissman A, *et al.* 1988. P. Natl. Acad. Sci. USA 85:9709