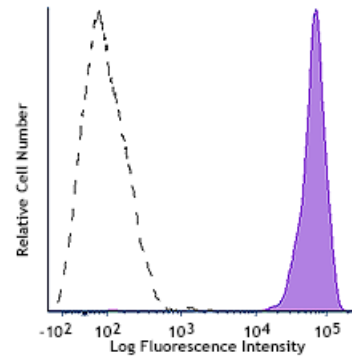


**APC anti-human CD48**

**Catalog # /** 2283570 / 100 tests  
**Size:** 2283565 / 25 tests  
**Clone:** BJ40  
**Isotype:** Mouse IgG1, κ  
**Immunogen:** Human TLR8-transfected cells  
**Reactivity:** Human, Non-human primate, Other  
**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).  
**Workshop Number:** V CD40.5  
**Concentration:** Lot-specific



Human peripheral blood lymphocytes were stained with CD48 (clone BJ40) APC (filled histogram) or mouse IgG1, κ APC (open histogram).

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

**Application Notes:** Additional reported applications (for the relevant formats) include: immunoprecipitation.

- Application References:**
1. Kishimoto T, *et al.* 1997. *Leucocyte Typing VI:White Cell Differentiation Antigens*. Garland Publishing Inc.
  2. Wang R, *et al.* 2012. *J. Leukoc Biol.* 91:299. [PubMed](#)

**Description:** CD48 is a 40-47 kD GPI-anchored membrane protein, also known as Blast-1 and HuLy-m3. It is a member of the CD2 family that contains 2 IgSF domains and is widely expressed on both resting and activated hematopoietic cells with the exception of granulocytes, platelets, and erythrocytes. CD48 binds to CD2 at a considerably (>100-fold) lower affinity than CD58. It is thought to contribute to T cell activation. The cytoplasmic tail of CD48 has been shown to bind to the kinases Lck and Fyn.

- Antigen References:**
1. Fisher RC and Thorley-Lawson DA. 1991. *Mol. Cell. Biol.* 11:1614.
  2. Korinek V, *et al.* 1991. *Immunogenetics* 33:108.
  3. Leukocyte Typing IV. Knapp W, *et al.* (Eds) Oxford University Press (1989)
  4. Leukocyte Typing V. Schlossman S, *et al.* (Eds) Oxford University Press (1995)