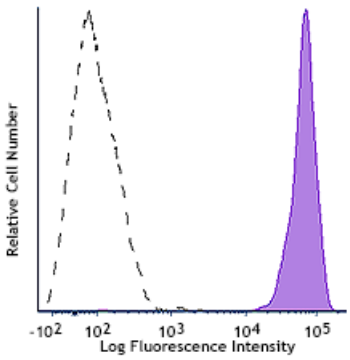
SONY

Product Data Sheet

APC anti-human CD48

Catalog # / Size:	2283565 / 25 tests 2283570 / 100 tests
Clone:	BJ40
Isotype:	Mouse IgG1, κ
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).
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)

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com