

Product Data Sheet

PE/Cy5 anti-human CD137 (4-1BB)

Catalog # / Size: 309807 / 25 tests

309808 / 100 tests

Clone: 4B4-1

Isotype: Mouse IgG1, κ

Workshop Number: VI C-7

Immunogen: Ectodomain of recombinant human 4-1BB fusion protein

Reactivity: Human, Cross-Reactivity: Chimpanzee, Baboon, Cynomolgus, Rhesus

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE/Cy5 under optimal conditions. The solution is free of unconjugated

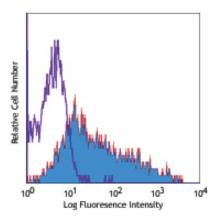
PE/Cy5 and unconjugated antibody.

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.



PHA-stimulated (2 days) human peripheral blood mononuclear cells stained with 4B4-1 PE/CY5

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by 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: immunoprecipitation^{1,4}, inhibition of cytokine

production^{2,3}, and ELISA. For most successful immunofluorescent staining results, it may be important to maximize signal over background by using a relatively bright fluorochrome-antibody conjugate (Cat. No. 309804) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated anti-mouse IgG second step (Cat. No.

405303), followed by SAv-PE (Cat. No. 405204)).

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for research use only.

Application References: 1. Garni-Wagner B, et al. 1996. Cell. Immunol. 169:91. (IP)

2. Salih HR, *et al.* 2000. *J. Immunol.* 165:2903. (FA) 3. Kienzle G, *et al.* 2000. *Int. Immunol.* 12:73. (FA)

4. Langstein J, et al. 1998. J. Immunol. 160:2488. (IP)

Description: CDw137 is a 39 kD transmembrane protein also known as 4-1BB. It is expressed on activated T cells. CDw137 is a

type I membrane protein and a member of the tumor necrosis factor receptor superfamily. CDw137 appears to be important for T cell proliferation and survival, and induces monocyte activation through its interaction with 4-1BB

ligand.

Antigen References: 1. Gruss H, et al. 1995. Blood 85:3378.

2. Sica G, et al. 2000. Adv. Exp. Med. Biol. 465:355.

3. Alderson M, et al. 1994. Eur. J. Immunol. 24:2219.

4. Schwarz H, et al. 1996. Blood 87:2839.

Related Products: Product PE/Cy5 Mouse IgG1, κ Isotype Ctrl

Cell Staining Buffer

RBC Lysis Buffer (10X)

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone MOPC-21

Application FC, ICFC FC, ICC, ICFC FC, ICFC FC, ICC, ICFC



