

Product Data Sheet

PE anti-human CD84

Catalog # / Size: 326007 / 25 tests
326008 / 100 tests

Clone: CD84.1.21

Isotype: Mouse IgG2a, κ

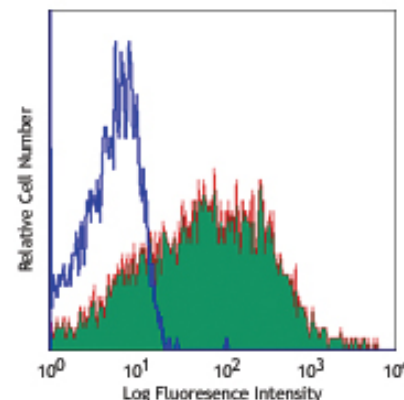
Immunogen: 300.19 cell line transfected with the CD84 full-length DNA

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 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 stained with CD84.1.21 PE

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 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l 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 (for the relevant formats) applications include: immunoprecipitation², and enhancing CD3 induced IFN- γ production¹ and partially block CD84-Ig binding to lymphocytes¹. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 326004).

Application References:

1. Martin M, *et al.* 2001. *J. Immunol.* 167:3668.
2. Sayós J, *et al.* 2001. *Blood* 97:3867.
3. Morra M, *et al.* 2001. *EMBO* 20:5840.
4. Morra M, 2001. *J. Biol. Chem.* 276:36809.
5. Romero X, *et al.* 2004. *Tissue Antigens* 64:132.

Description: CD84 is a 64-82 kD glycoprotein. It is a member of the SLAM (CD150) family, a CD2 subset of the Ig superfamily, also known as SLAMF5 or Ly9b. CD84 is expressed on B cells, monocytes, thymocytes, subset of (preferentially on CD45RO⁺) T cells, and platelets. CD84 functions as a homophilic adhesion molecule and enhances T cell activation and cytokine production. The antibody CD84.1.21 is able to enhance CD3 induced IFN- γ production and partially block CD84-Ig binding to lymphocytes.

Antigen References:

1. de la Fuente MA, *et al.* 1997. *Blood* 90 (6):2398.
2. Tangye SG, *et al.* 2002. *Eur. J. Immunol.* 32(6):1640.
3. Tangye SG, *et al.* 2003. *J. Immunol.* 171:2485.
4. Martin M, *et al.* 2001. *J. Immunol.* 167:3668.
5. Romero X, *et al.* 2005. *J. Immunol.* 174:7033.

Related Products:

Product
Cell Staining Buffer
RBC Lysis Buffer (10X)
PE Mouse IgG2a, κ Isotype Ctrl (FC)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MOPC-173

Application

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



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