

APC anti-human CD84

Catalog # / Size: 2230045 / 25 tests
2230050 / 100 tests

Clone: CD84.1.21

Isotype: Mouse IgG2a, κ

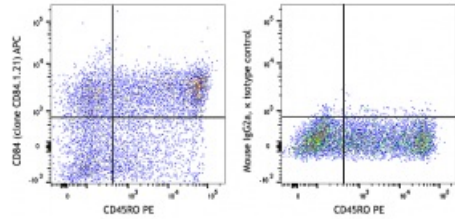
Immunogen: 300.19 cell line transfected with the CD84 full-length DNA

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 CD45RO PE and APC anti-human CD84 (clone CD84.1.21) (left) or APC mouse IgG2a, κ isotype control (right).

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 (for the relevant formats) applications include: immunoprecipitation², and enhancing CD3 induced IFN-γ production¹ and partially block CD84-Ig binding to lymphocytes¹.

- Application References:**
1. Martin M, *et al.* 2001. *J. Immunol.* 167:3668.
 2. Sayos 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.