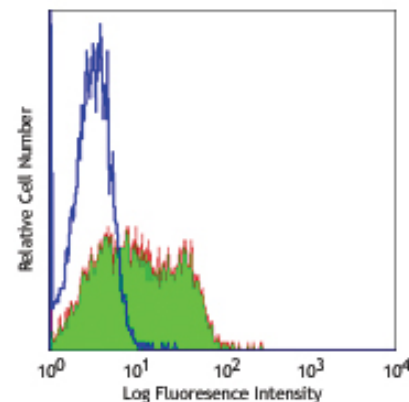


Purified anti-human CD84

Catalog # / Size: 326002 / 100 µg
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.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood lymphocytes stained with purified CD84.1.21, followed by anti-mouse IgG FITC

Applications:

Applications: FC - Quality tested
IP - Reported in the literature

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 326004).

Application References:

- Martin M, *et al.* 2001. *J. Immunol.* 167:3668.
- Sayós J, *et al.* 2001. *Blood* 97:3867.
- Morra M, *et al.* 2001. *EMBO* 20:5840.
- Morra M, 2001. *J. Biol. Chem.* 276:36809.
- 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:

- de la Fuente MA, *et al.* 1997. *Blood* 90 (6):2398.
- Tangye SG, *et al.* 2002. *Eur. J. Immunol.* 32(6):1640.
- Tangye SG, *et al.* 2003. *J. Immunol.* 171:2485.
- Martin M, *et al.* 2001. *J. Immunol.* 167:3668.

Related Products:

Product
 APC Goat anti-mouse IgG (minimal x-reactivity)
 Purified Mouse IgG2a, κ Isotype Ctrl
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 Poly4053
 MOPC-173
 Poly4053

Application
 FC
 FC, ICC, IF, IHC, IP, WB
 FC
 FC, ICC, ICFC
 FC, ICFC



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