

Purified anti-human CD83

Catalog # / Size: 305301 / 25 µg
305302 / 100 µg

Clone: HB15e

Isotype: Mouse IgG1, κ

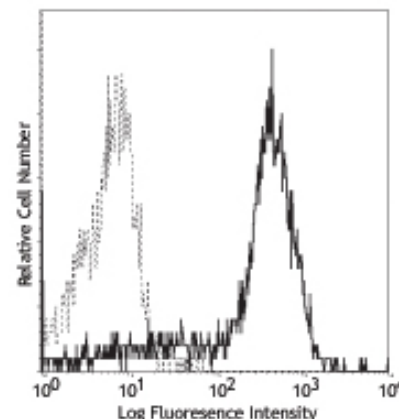
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus, Pigtailed Macaque

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.



Monocyte-derived dendritic cells stained with HB15e PE

Applications:

Applications: FC - Quality tested
IHC - 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 ≤ 0.5 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections⁴.

Application References:

1. Knapp W, *et al.* 1989. Leucocyte Typing IV. Oxford University Press New York.
2. Zhou L, *et al.* 1995. *J. Immunol.* 154:3821.
3. Cao W, *et al.* 2005. *Biochem. J.* 385:85.
4. Lore K, *et al.* 2002. *AIDS* 16:683. (IHC)
5. Cho H, *et al.* 2007. *Physiol Genomics* doi:10.1152/physiolgenomics.00051.2006

Description: CD83 is a 43 kD single chain type I glycoprotein also known as HB15. A member of the immunoglobulin superfamily, CD83 is expressed on a subset of dendritic cells, Langerhans cells, and weakly on activated lymphocytes. Although CD83 is thought to play a role in antigen presentation and/or lymphocyte activation, the precise function of this protein is unknown. CD83 is considered to be a useful marker for mature dendritic cells.

Antigen References:

1. Kozlow E, *et al.* 1993. *Blood* 81:454.
2. Zhou L, *et al.* 1992. *J. Immunol.* 149:735.
3. Zhou L, *et al.* 1995. *Blood* 86:3295.

Related Products:

| Product | Clone | Application |
|---|----------|--------------------------------|
| Purified anti-human CD1a | HI149 | FC, IHC |
| Purified anti-human HLA-DR | L243 | FC, IHC, IP, WB, CyTOF® |
| Purified anti-human CD14 | M5E2 | FC, IHC, IF, CyTOF® |
| Purified Mouse IgG1, κ Isotype Ctrl | MOPC-21 | FC, ICFC, ICC, IF, IHC, IP, WB |
| APC Goat anti-mouse IgG (minimal x-reactivity) | Poly4053 | FC |
| Biotin Goat anti-mouse IgG (minimal x-reactivity) | Poly4053 | FC, ELISA, IHC, IF, WB |
| FITC Goat anti-mouse IgG (minimal x-reactivity) | Poly4053 | FC |
| PE Goat anti-mouse IgG (minimal x-reactivity) | Poly4053 | FC |
| Cell Staining Buffer | | FC, ICC, ICFC |
| RBC Lysis Buffer (10X) | | FC, ICFC |



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