

Product Data Sheet

FITC anti-human CD83

Catalog # / Size: 305305 / 25 tests
305306 / 100 tests

Clone: HB15e

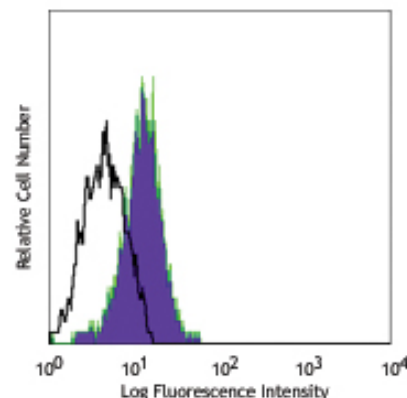
Isotype: Mouse IgG1, κ

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

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

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 monocyte-derived dendritic cells stained with HB15e FITC

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 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
FITC anti-human CD1a
FITC anti-human HLA-DR
FITC anti-human CD14
FITC Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
HI149
L243
M5E2
MOPC-21

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



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