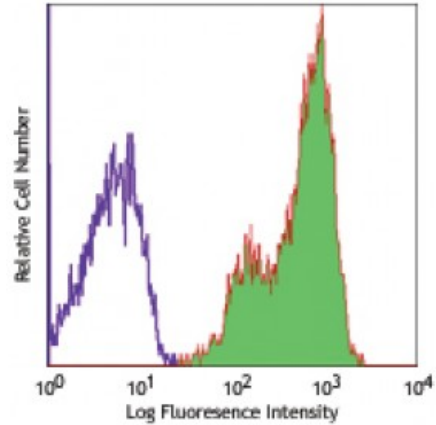


Alexa Fluor® 647 anti-human CD83

Catalog # / Size: 2126580 / 100 tests
Clone: HB15e
Isotype: Mouse IgG1, κ
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: NULL



Human monocytes-derived dendritic cells stained with HB15e Alexa Fluor® 647

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
 * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.
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.