

PE/Cy7 anti-mouse CD83

Catalog # / Size: 1207585 / 25 µg
1207590 / 100 µg

Clone: Michel-19

Isotype: Rat IgG1, κ

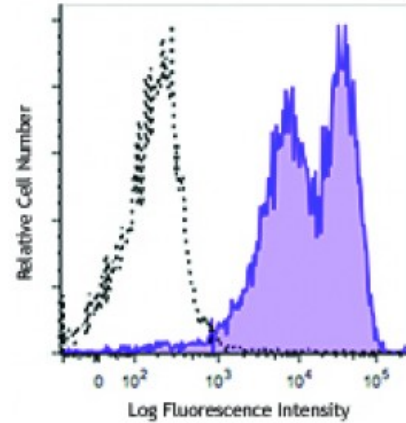
Immunogen: Recombinant mouse CD83 protein

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



Mouse CD83 transfected cells were stained with CD83 (clone Michel-19) PE/Cy7 (filled histogram), or rat IgG1, κ PE/Cy7 isotype control (open histogram).

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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for relevant formats of this clone) include: immunohistochemistry of acetone - fixed frozen sections⁴.

Application References:

1. Cramer SO, *et al.* 2000. *Int. Immunol.* 12:1347.
2. Fujimoto Y, *et al.* 2002. *Cell* 108:755.
3. Mott KR, *et al.* 2009. *Virology*. 6:56. (FC) [PubMed](#)
4. Roland CI, *et al.* 2009. *Mol Cancer Res.* 8:1761. (IHC) [PubMed](#)
5. Masuda Y, *et al.* 2010. *Cancer Immunol Immunother.* [Epub ahead of print] (FC) [PubMed](#)
6. Tze LE, *et al.* 2011. *J Exp Med.* [PubMed](#)
7. del Rio ML, *et al.* 2011. *Transpl. Int.* 24:501. (FC) [PubMed](#)

Description: CD83 is a 45 kD type I transmembrane protein. It belongs to immunoglobulin superfamily and is expressed on mature dendritic cells and activated lymphocytes. CD83 is involved in the regulation of T cell development and immune response. Soluble form CD83 has been reported to inhibit dendritic cell maturation and dendritic cell-mediated T cell proliferation. Murine CD83 ligand has been found on B cells.

Antigen References:

1. Lechmann M, *et al.* 2005. *Biochem. Biophys. Res. Commun.* 329:132.
2. Kotxor N, *et al.* 2004. *Immunobiology* 209:129.
3. Leon F, *et al.* 2004. *J. Immunol.* 173:2995.
4. Cramer SO, *et*