

Product Data Sheet

PE anti-human CD205 (DEC-205)

Catalog # / Size: 2311015 / 25 tests
2311020 / 100 tests

Clone: HD30

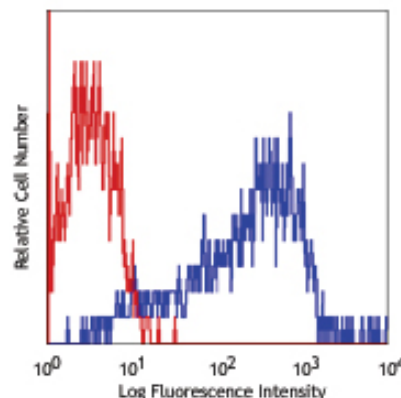
Isotype: Mouse IgG1, κ

Reactivity: Human

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

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 between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze.**



Monocyte-derived dendritic cells stained with HD30 PE

Applications:

Applications: FC - *Quality tested*

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of fixed, frozen sections⁴ and Western blotting⁴.

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.

Application References:

1. Guo M, *et al.* 2000. *Human Immunology* 61:729.
2. Cho H, *et al.* 2007. *Physiol Genomics* doi:10.1152/physiolgenomics.00051.2006
3. Gurer C, *et al.* 2008. *Blood* 112:1231. PubMed
4. Park CG, *et al.* 2012. *J. Immunol. Methods* 377:15. (IHC, WB)

Description: CD205 is a 210 kD C-type lectin transmembrane protein, known as DEC-205. It belongs to macrophage mannose receptor family and is found at high levels on dendritic cells and thymic epithelial cells. Unlike murine CD205, human CD205 is also expressed at low levels on T- and B-cells, NK cells and monocytes. CD205, serves as an endocytic receptor, functions in antigen uptake/processing and clearance of apoptotic cells.

Antigen References:

1. Guo M, *et al.* 2000. *Human Immunology* 61:729.
2. Kato M, *et al.* 2006. *Int. Immunol.*
3. Kato M, *et al.* 2003. *J. Biol. Chem.* 278(36):34035.
4. Small M and G. Kraal. 2003. *Int. Immunol.* 15(2):197.
5. Mahnke K, *et al.* 2000. *J. Cell Biol.* 151(3):673.

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