

APC anti-mouse/human CD207 (Langerin)

Catalog # / Size: 1321030 / 100 µg
1321025 / 25 µg

Clone: 4C7

Isotype: Mouse IgG2a, κ

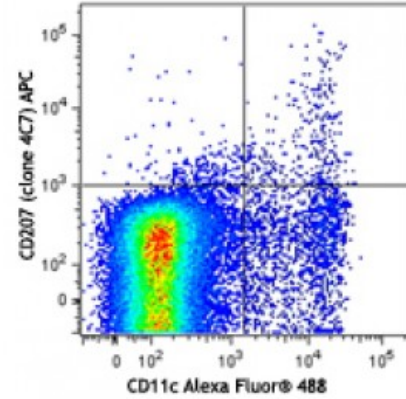
Immunogen: Langerin extracellular domain-Fc fusion protein

Reactivity: Human

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

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

Concentration: 0.2

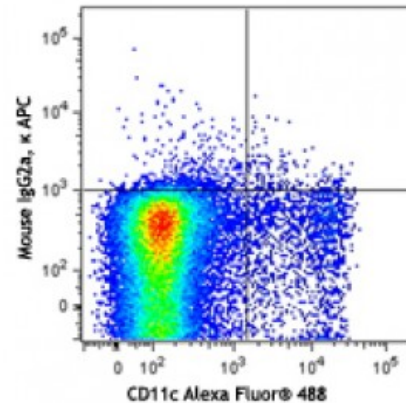


Cells from a collagenase-digested BALB/c mouse spleen were stained with CD11c Alexa Fluor® 488 and CD207 (clone 4C7) APC (top) or mouse IgG2a, κ APC isotype control (bottom).

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.



Description: CD207, also known as langerin, is a 40 kD single-pass type II transmembrane protein, member of the C-type lectin family. CD207 is expressed on the cell surface and Birbeck granules (BGs) of Langerhans cells, and subsets of thymic and splenic dendritic cells. Its ligands are mannose, *n*-acetylglucosamine, fucose, and sulfated glycans. Langerin is involved in the antigen processing pathway through capture and internalization of its ligands.

- Antigen References:**
1. Romani N, *et al.* 2012. *Curr. Top. Microbiol. Immunol.* 351:113.
 2. Kaplan DH. 2010. *Trends Immunol.* 31:446.
 3. Clausen BE and Kel JM. 2010. *Immunol. Cell. Biol.* 88:351.
 4. Merad M, *et al.*