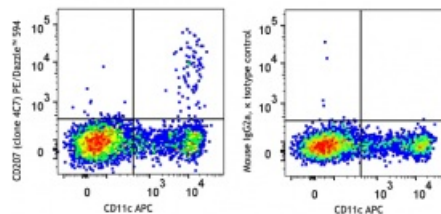


**PE/Dazzle™ 594 anti-mouse/human CD207 (Langerin)**

<b>Catalog # / Size:</b>	1321055 / 25 µg
<b>Clone:</b>	4C7
<b>Isotype:</b>	Mouse IgG2a, κ
<b>Immunogen:</b>	Langerin extracellular domain-Fc fusion protein
<b>Reactivity:</b>	Mouse, Non-human primate, Other
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
<b>Concentration:</b>	0.2 mg/mL



Cells from a collagenase-digested Balb/c mouse spleen were blocked with TruStain FcX™ PLUS, True-Stain Monocyte Blocker™ and mouse serum, and then surface stained with CD11c APC and CD207 (Langerin) (clone 4C7) PE/Dazzle™ 594 (left) or mouse IgG2a, κ PE/Dazzle™ 594 isotype control (right). Data shown was gated on the CD3-B220- population.

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
	* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

**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. 2008. *Nat. Rev. Immunol.* 8:935.