

Datasheet for ABIN7540425
anti-CD207 antibody (PE)



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Overview

Quantity:	100 tests
Target:	CD207
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD207 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD207 PE
Immunogen:	Fusion protein of human CD207 extracellular part and IgG Fc fragment
Clone:	2G3
Isotype:	IgG1 lambda
Specificity:	The mouse monoclonal antibody 2G3 recognizes an extracellular/luminal epitope of CD207, a transmembrane protein selectively expressed by Langerhans cells and by some other dendritic cell subsets. This antibody clone can target vaccine-peptides to dendritic cells.
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD207
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Target Details

Alternative Name: CD207 ([CD207 Products](#))

Background: NCBI Full Gene Name: CD207 Molecule
Description: CD207 is a 40 kDa type II transmembrane glycoprotein of the C-type lectin family. It binds to mannose-bearing glycoproteins and glycolipids of microbial and viral antigens, including HIV gp120. CD207 is expressed only in Langerhans cells, which are immature dendritic cells of the epidermis and mucosa, and its expression decreases during Langerhans cells maturation. Upon antigen binding CD207 localizes to the Birbeck granules, organelles present in the cytoplasm of Langerhans cells and consisting of superimposed membranes, which leads to a nonclassical antigen-processing pathway.
Other names: CLEC4K, langerin
Gene name: CD207

Gene ID: 50489

UniProt: [Q9UJ71](#)

Application Details

Application Notes: Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. Extracellular and intracellular staining.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
