

## 10-4900: Monoclonal antibody to CD207 (Langerin) (Clone: 10E2)

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|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | 10E2   |
| <b>Application :</b>           | FACS   |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | CD207  |
| <b>Gene ID :</b>               | 50489  |
| <b>Uniprot ID :</b>            | Q9UJ71   |
| <b>Format :</b>                | Purified   |
| <b>Alternative Name :</b>      | Langerin, C-type lectin domain family 4 member K, CLEC4K |
| <b>Isotype :</b>               | Mouse IgG1 Kappa   |
| <b>Immunogen Information :</b> | Primary human Langerhans cells.                          |

### Description

CD207, also known as Langerin, is a 40 kD type II transmembrane cell glycoprotein which belongs to C-type lectin with mannose binding specificity. It is predominantly expressed on Langerhans cells and induces the formation of Birbeck granules, the Langerhans cell hallmark organelle. It is also found on several other subtypes of dendritic cells, such as dermal CD103-positive dendritic cells and splenic CD8-positive dendritic cells. Langerin is generally thought to be involved in antigen processing. Recently, it has been found that HIV captured by Langerin was internalized into Birbeck granule and degraded, which results in inhibition of HIV-1 infection and subsequent transmission.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity chromatography.  |
| <b>Content :</b>           | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.   |
| <b>Storage condition :</b> | The antibody solution should be stored undiluted between 2°C and 8°C. |

### Application Note