

## 36-2890: Anti-Langerin / CD207 (Marker of Langerhans Cells) Monoclonal Antibody(Clone: LGRN/3136R)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | LGRN/3136R  |
| <b>Application :</b>           | ELISA   |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | CD207   |
| <b>Gene ID :</b>               | 50489   |
| <b>Uniprot ID :</b>            | Q9UJ71  |
| <b>Alternative Name :</b>      | C-type lectin domain family 4 member K; CD207; CLEC4K; Langerhans cell specific c type lectin; Langerin |
| <b>Isotype :</b>               | Rabbit IgG  |
| <b>Immunogen Information :</b> | Recombinant fragment (around aa74-213) of human Langerin protein (exact sequence is proprietary)        |

### Description

Langerhans cells (LCs) are a subset of immature dendritic cells (DCs) that specifically localize in the epidermis and other mucosal epithelia. Epidermal LCs possess strong immuno-stimulatory capacity and play a central role in the initiation and regulation of immune responses. Langerin (CD207) is a Ca<sup>2+</sup>-dependent, C-type lectin domain containing, type II transmembrane protein that induces epidermal LCs to differentiate into Birbeck granules (BG). BGs are organelles with superimposing and zipper membranes that influence proper class I type antigen presentation to the circulating T cells. Human spleen, lymph node, thymus, liver, lung and heart express Langerin protein.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.                               |

### Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA);

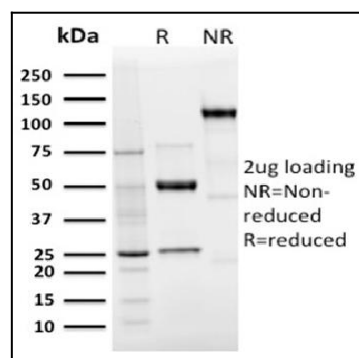


Fig. 1: SDS-PAGE Analysis Purified Langerin Recombinant Rabbit Monoclonal Antibody (LGRN/3136R). Confirmation of Integrity and Purity of Antibody.