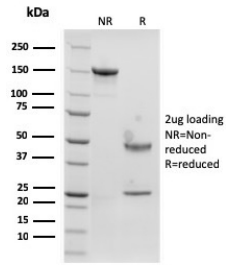
# Recombinant Langerin Antibody / CD207 [clone rLGRN/1821] (V8856)

| Catalog No. | Formulation | Size |
|---|---|---|
| V8856-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8856-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V8856SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Recombinant MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | rLGRN/1821 |
| **Purity** | Protein A/G affinity |
| **UniProt** | Q9UJ71 |
| **Localization** | Cell surface and cytoplasmic |
| **Applications** | ELISA : 2-4ug/ml (order BSA-free format for coating) |
| **Limitations** | This recombinant Langerin antibody is available for research use only. |




SDS-PAGE analysis of purified, BSA-free recombinant Langerin antibody (clone rLGRN/1821) as confirmation of integrity and purity.

## 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 Ca2+-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 zippering 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.

## Application Notes

Optimal dilution of the recombinant Langerin antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 74-213 was used as the immunogen for the recombinant Langerin antibody.

## Storage

Aliquot the recombinant Langerin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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