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# Langerin

Rabbit Monoclonal antibody(Mab)
Catalog # AD80237

## Product Information

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|---|---|
| **Application** | IHC-P |
| **Primary Accession** | Q9UJ71 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Clone Names** | 878B5E3 |
| **Calculated MW** | 36725 |

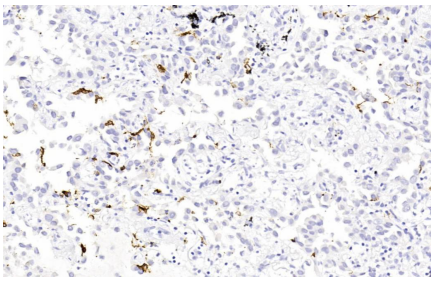
## Additional Information

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|---|---|
| **Gene ID** | 50489 |
| **Gene Name** | CD207 |
| **Other Names** | C-type lectin domain family 4 member K, Langerin, CD207, CD207, CLEC4K |
| **Dilution** | IHC-P~~Ready-to-use |
| **Storage** | Maintain refrigerated at 2-8°C. |
| **Precautions** | Langerin Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

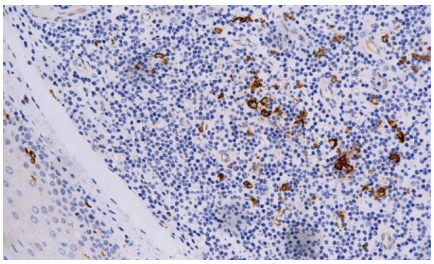
## Protein Information

| | |
|---|---|
| **Name** | CD207 |
| **Synonyms** | CLEC4K |
| **Function** | Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and is involved in the routing and/or processing of antigen for presentation to T cells. Major receptor on primary Langerhans cells for Candida species, Saccharomyces species, and Malassezia furfur. Protects against human immunodeficiency virus-1 (HIV-1) infection. Binds to high-mannose structures present on the envelope glycoprotein which is followed by subsequent targeting of the virus to the Birbeck granules leading to its rapid degradation. |
| **Cellular Location** | Membrane; Single- pass type II membrane protein. Note=Found in Birbeck granules (BGs), which are organelles consisting of superimposed and zippered membranes |
| **Tissue Location** | Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues. |

## Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human lung adenocarcinoma tissue was performed with Langerin primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human tonsil tissue was performed with Langerin primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.