



Langerin

Rabbit Monoclonal antibody(Mab)
Catalog # AD80237

Specification

Langerin - Product info

Application IHC-P
Primary Accession Q9UJ71
Reactivity Human
Host Rabbit
Clonality Monoclonal
Calculated MW 36725

Langerin - Additional info

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

Calcium-dependent lectin displaying

against human immunodeficiency virus-1

therapeutic procedures.

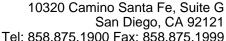
Langerin - Protein Information

Name CD207

Function

Synonyms CLEC4K

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





Cellular Location

Tissue Location

(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.

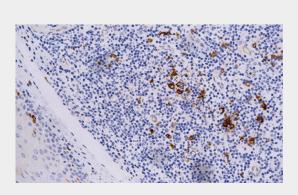
Membrane; Single-pass type II membrane protein. Note=Found in Birbeck granules (BGs), which are organelles consisting of superimposed and zippered membranes **Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant** ependymoma, but not in normal brain tissues.

Langerin - Protocols

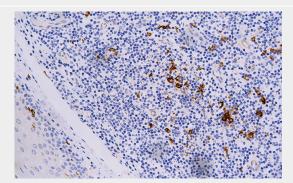
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Langerin - Images



Tonsil



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80237 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with





Tel: 858.875.1900 Fax: 858.875.1999

formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems[Abcepta:AR005] was used as the secondary antibody.