

Langerin
Rabbit Monoclonal antibody(Mab)
Catalog # AD80237

Specification

Langerin - Product info

Application	IHC-P, IHC
Primary Accession	O9UJ71
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
IHC~~Ready-to-use

Storage	This product is stored at 2-8 °C, please use it within the expiration date.
Precautions	Langerin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Langerin - 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

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.

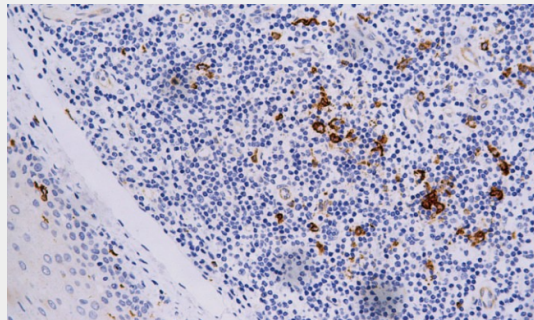
Membrane; Single-pass type II membrane protein. Note=Found in Birbeck granules (BGs), which are organelles consisting of superimposed and zippered membranes Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.

Langerin - Protocols

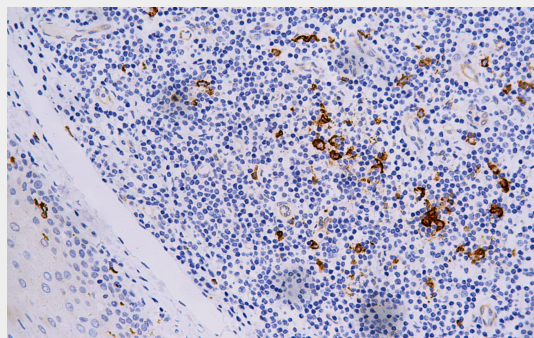
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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

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. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.