

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 therapeutic procedures.****Langerin - Protein Information****Name** CD207**Synonyms****Function****CLEC4K**

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 Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.

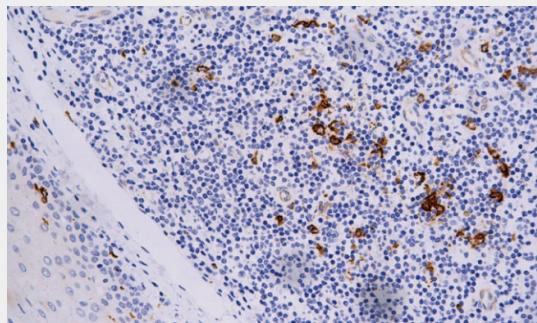
Tissue Location

Langerin - Protocols

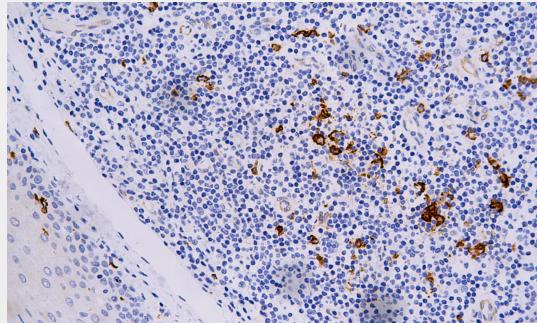
Provided below are standard protocols that you may find useful for product applications.

- [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. AmpSeeTM Detection Systems Abcepta:AR005 was used as the secondary antibody.