

Anti-Langerin (CD207) Rabbit Monoclonal Antibody

Catalog # ABO15225

Product Information

Application	IHC
Primary Accession	Q9UJ71
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Langerin (CD207) Rabbit Monoclonal Antibody . Tested in IHC application. This antibody reacts with Human.

Additional Information

Gene ID	50489
Other Names	C-type lectin domain family 4 member K, Langerin, CD207, CD207, CLEC4K
Calculated MW	36725
Application Details	IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 18C01
Immunogen	A synthesized peptide derived from human Langerin (CD207)
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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.

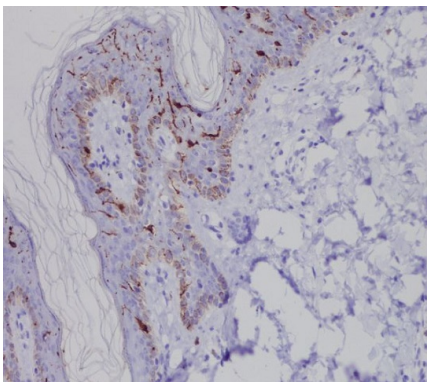
Cellular Location

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 paraffin-embedded human skin, using Langerin (CD207) Antibody.

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