

reacts

# Anti-Langerin (CD207) Rabbit Monoclonal Antibody

Catalog # ABO15225

Specification

# Anti-Langerin (CD207) Rabbit Monoclonal Antibody - Product Information

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Application	IHC
Primary Accession	<u>09UJ71</u>
Host	Rabbit
lsotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	-
Anti-Langerin (CD207) Rabbit Monod	clonal Antibody . Tested in IHC application. This antibody r
with Human.	

## Anti-Langerin (CD207) Rabbit Monoclonal Antibody - Additional Information

Gene ID 50489

Other Names C-type lectin domain family 4 member K, Langerin, CD207, CD207, CLEC4K

Application Details IHC 1:50-1:200

**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.

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.

## Anti-Langerin (CD207) Rabbit Monoclonal Antibody - 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.

## Anti-Langerin (CD207) Rabbit Monoclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## Anti-Langerin (CD207) Rabbit Monoclonal Antibody - Images



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