

# Langerin (CD207) Antibody

Rabbit mAb

Catalog # AP91536

## Product Information

<b>Application</b>	IHC
<b>Primary Accession</b>	<a href="#">Q9UJ71</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CD207; CD207 antigen; CD207 antigen, langerin; CD207 molecule; CLEC4K; Langerhans cell specific c type lectin; Langerin;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	36725

## Additional Information

<b>Dilution</b>	IHC 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Langerin (CD207)
<b>Description</b>	Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	CD207
<b>Synonyms</b>	CLEC4K
<b>Function</b>	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.
<b>Cellular Location</b>	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**

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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'.