

**Langerin (CD207) Antibody**  
Rabbit mAb  
Catalog # AP91536**Specification**

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**Langerin (CD207) Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">O9UJ71</a>
Clonality	Monoclonal
<b>Other Names</b>	
CD207; CD207 antigen; CD207 antigen, langerin; CD207 molecule; CLEC4K; Langerhans cell specific c type lectin; Langerin;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	36725 Da

**Langerin (CD207) Antibody - Additional Information**

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.</b>

**Langerin (CD207) 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.

**Langerin (CD207) Antibody - 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 (CD207) Antibody - Images**