

Langerin (CD207) Antibody
Rabbit mAb
Catalog # AP91536

Specification

Langerin (CD207) Antibody - Product Information

Application	IHC
Primary Accession	Q9UJ71
Clonality	Monoclonal
Other Names	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

Dilution	IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Langerin (CD207)
Description	Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering.
Storage Condition and Buffer	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.

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