

Langerin Rabbit mAb

Catalog # AP77783

Specification

Langerin Rabbit mAb - Product Information

Application IHC
Primary Accession O9UJ71
Reactivity Human
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 36725

Langerin Rabbit mAb - Additional Information

Gene ID 50489

Other Names CD207

Dilution IHC~~1/50-1/100

Format Liquid

Langerin Rabbit mAb - Protein Information

Name CD207

Synonyms CLEC4K

Function

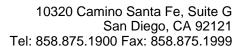
Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and 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 Rabbit mAb - Protocols

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

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

Langerin Rabbit mAb - Images

