

**CD207 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14970**

**Specification**

**CD207 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q9UJ71</a>
Other Accession	<a href="#">NM_015717</a> , <a href="#">NP_056532</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig
Predicted	Mouse, Rat, Pig, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36kDa KDa

**CD207 antibody - C-terminal region - Additional Information**

**Gene ID** 50489

**Alias Symbol** CLEC4K

**Other Names**

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

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-CD207 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CD207 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**CD207 antibody - C-terminal region - 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

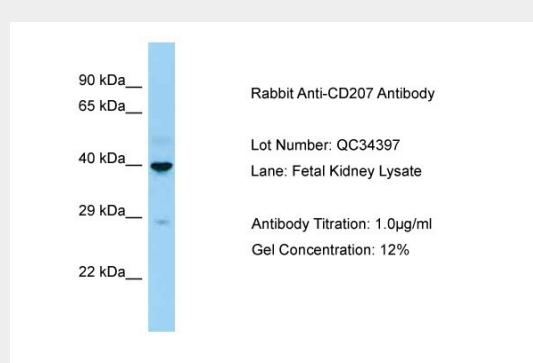
Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.

### CD207 antibody - C-terminal region - 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](#)

### CD207 antibody - C-terminal region - Images



Host: Rabbit

Target Name: CD207

Sample Tissue: Fetal Kidney

Antibody Dilution: 1.0 $\mu$ g/ml

### CD207 antibody - C-terminal region - References

Valladeau J., et al. *Immunity* 12:71-81(2000).  
Hillier L.W., et al. *Nature* 434:724-731(2005).  
Stambach N.S., et al. *Glycobiology* 13:401-410(2003).  
Valladeau J., et al. *Immunol. Res.* 28:93-107(2003).  
de Witte L., et al. *Nat. Med.* 13:367-371(2007).