

## CD207

**Reactivity:** Human

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 36kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human CD207

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CLEC4K;

**Catalog #:** A6553

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 50489

**Isotype:** IgG

**Swiss Prot:** Q9UJ71

**Purity:** Affinity purification

For research use only.

**Background:**

The protein encoded by this gene is expressed only in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. It is localized in the Birbeck granules, organelles present in the cytoplasm of Langerhans cells and consisting of superimposed and zippered membranes. It is a C-type lectin with mannose binding specificity, and it has been proposed that mannose binding by this protein leads to internalization of antigen into Birbeck granules and providing access to a nonclassical antigen-processing pathway. Mutations in this gene result in Birbeck granules deficiency or loss of sugar binding activity.

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