



CD207 Monoclonal Antibody

Catalog No	YP-mAb-14005
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CD207
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human CD207. AA range:61-110
Specificity	CD207 Monoclonal Antibody detects endogenous levels of CD207 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CD207;Langerin;CD207 molecule;CLEC4K;C-type lectin domain family 4 member K
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Membrane ; Single-pass type II membrane protein . Found in Birbeck granules (BGs), which are organelles consisting of superimposed and zippered membranes.
Tissue Specificity	Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.
Function	function:Calcium-dependent lectin displaying mannose-binding specificity, Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering.,online information:Langerin, similarity:Contains 1 C-type lectin domain.,subcellular location:Found in Birbeck granules (BGs), which are organelles consisting of superimposed and zippered membranes.,tissue specificity:Exclusively expressed by Langerhans cells.,



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. [provided by RefSeq, Aug 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CD207 Monoclonal Antibody