

32-13133: CD207 Human, sf9

Alternative Name : C-type lectin domain family 4 member K, Langerin, CD207, CD207 Molecule, CD207 Molecule, Langerin, CD207 Antigen, Langerin, CLEC4K, Langerhans Cell Specific C-Type Lectin, Langerin.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

CD207 (C-type lectin domain family 4 member K) is expressed in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. Moreover, CD207 is expressed in several other dendritic cell types including dermal CD103+ DCs and splenic CD8+ DCs. Langerin is localized in the Birbeck granules, the organelles present in the cytoplasm of Langerhans cells and comprised of superimposed and zippered membranes. CD207 is a C-type lectin with mannose binding specificity, and it has been suggested that mannose binding by the CD207 protein leads to internalization of antigen into Birbeck granules thus providing access to a nonclassical antigen-processing pathway.

CD207 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 273 amino acids (65-328 a.a.) and having a molecular mass of 30.9kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : CD207 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : ADPPRFMGTI SDVKTNVQLL KGRVDNISTL DSEIKKNSDG MEAAGVQIQM VNESLGYVRS
QFLKLKTSVE KANAQIQLT RSWEVSTLN AQIPELKSDL EKASALNTKI RALQGSLENM
SKLLKRQNDI LQVVSQGWKY FKGNFYFSL IPKTWYSAEQ FCVSRNSHLT SVTSESEQEF
LYKTAGGLIY WIGLTKAGME GDWSWVDDTP FNKVQSARFW IPGEPNNAGN NEHCGNIKAP
SLQAWNDAPC DKTFLFICKR PYVPSEPHHH HHH.