

32-13132: CD207 Human

Alternative Name : C-type lectin domain family 4 member K, CLEC4K, Langerin, CD207.

Description

Source: Escherichia Coli.

Sterile Filtered clear 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 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 287 amino acids (65-328 a.a) and having a molecular mass of 32.2kDa. CD207 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : CD207 protein solution (1mg/ml) containing 20mM Tris 8.0 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 : MGSSHHHHHH SSGLVPRGSH MGSPRFMGTI SDVKTNVQLL KGRVDNISTL DSEIKKNSDG
MEAAGVQIQM VNESLGYVRS QFLKLTQVE KANAQIQLT RSWEEVSTLN AQIPELKSDL EKASALNTKI
RALQGSLENM SKLLKRQNDI LQVVSQGWKY FKGNYFYFSL IPKTWYSAEQ FCVSRNSHLT SVTSESEQEF
LYKTAGGLIY WIGLTKAGME GDWSWVDDTP FNKVQSARFW IPGEPNNAGN NEHCGNIKAP
SLQAWNDAPC DKTFLFICKR PYVPSEP.