

CD207, 65-328aa, Human, His tag, Baculovirus

Cat.NO.: TP01489

3th Edition

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

Description:CD207, also known as C-type lectin domain family 4 member K, is a type 2 transmembrane glycoprotein. This protein is used as a marker for Langerhans cell which represent the immature dendritic cells in the epidermis. Also, it internalizes endogenous proteins such as type 1 procollagen. Internalization by Langerhans cell is thought to lead to suppression of self reactions. CD207 mediates endocytosis of non-peptide antigens containing mannose, N-acetyl glucosamine and fucose that are expressed by mycobacteria and fungus. Recombinant human CD207, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:30.9kDa (273aa), 28-40kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNESLGYVRSQFLKLTSTVEKANAQIQ
ILTRSWEEVSTLNAQIPELKSDLEKASALNTKIRALQGSLENMSKLLKRQNDILQVVSQGWKYFKGNFYFSLIPKTW
YSAEQFCVSRNSHLTSTVSESEQEFYKTAGGLIYWGLTKAGMEGDWSWVDDTPFNKVQSARFWIPGEPNNAGN
NEHCGNIKAPSLQAWNDAPCDKTFLFICKRPYVPSEPHHHHHH

Purity:> 95% by HPLC

Concentration:1.0mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.