



## Human CD207 peptide (DAG-P0776)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Specificity</b>	Exclusively expressed by Langerhans cells. Expressed in astrocytoma and malignant ependymoma, but not in normal brain tissues.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 1 C-type lectin domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">CD207 CD207 molecule, langerin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CD207

<b>Synonyms</b>	CD207; CD207 molecule, langerin; CLEC4K; C-type lectin domain family 4 member K; CD207 antigen, langerin; Langerhans cell specific c-type lectin; C-type lectin domain family 4, member K;
<b>Entrez Gene ID</b>	<a href="#">50489</a>
<b>mRNA Refseq</b>	<a href="#">NM_015717.4</a>
<b>Protein Refseq</b>	<a href="#">NP_056532.4</a>
<b>UniProt ID</b>	Q9UJ71
<b>Chromosome Location</b>	2p13
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Cross-presentation of soluble exogenous antigens (endosomes), organism-specific biosystem; Immune System, organism-specific biosystem;
<b>Function</b>	carbohydrate binding; mannose binding;