

Product datasheet for **TP726694**

DC SIGN (CD209) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD209 (N-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln59-Ala404
Tag:	N-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human CD209 Antigen is produced by our Mammalian expression system and the target gene encoding Gln59-Ala404 is expressed with a Fc tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	30835
UniProt ID:	Q9NNX6
Summary:	CD209 is also known as CLEC4L, DC-SIGN and CD209 antigen, is a type II transmembrane protein on DCs with a C-type lectin extracellular domain, is capable of binding ICAM-3 on resting T cells in the secondary lymphoid organs, providing the initial contact between these cells during the establishment of cell-mediated immunity. The DC-SIGN/CD209 lectin domain binds mannose oligosaccharides on pathogens including HIV as well as self glycoproteins including ICAMs (2, 4). DC-SIGN/CD209 binds to butyrophilin 2A1 and this interaction can be blocked by HIV pp120. DC-SIGN/CD209 is expressed on dendritic cells (DC) and inflammatory macrophages and contributes to antigen presentation. It is not only a pattern recognition receptor but implicated in immunoregulation of DCs. It has important role in mediating DC adhesion, migration, inflammation, activating primary T cell, triggering immune response and participating in immune escape of pathogens and tumors.



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