

For Research Use Only

Anti-Human DC-SIGNR/CD299 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98205-1-PBS



Basic Information

Catalog Number:

98205-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC038851

GeneID (NCBI):

10332

UNIPROT ID:

Q9H2X3

Full Name:

C-type lectin domain family 4, member M

Calculated MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

241683G8

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

Dendritic cell-specific intracellular adhesion molecule-3-grabbing non-integrin (DC-SIGN/CD209) and DC-SIGN related (DC-SIGNR/CD299/L-SIGN/CD209L/CLEC4M) are trans-membrane C-type lectins that are calcium-dependent carbohydrate-binding proteins, which can act as cell-adhesion and pathogen-recognition receptors (PMID: 18458800). DC-SIGN and DC-SIGNR share 77% amino acid identity (PMID: 10975799; 11226297). DC-SIGN is expressed on subsets of dendritic cells and macrophages while DC-SIGNR is restricted to endothelial cells of the liver, lymph nodes and placenta (PMID: 17509452). DC-SIGNR serves as a receptor for ICAM-3. It recognizes a wide range of evolutionarily divergent pathogens.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

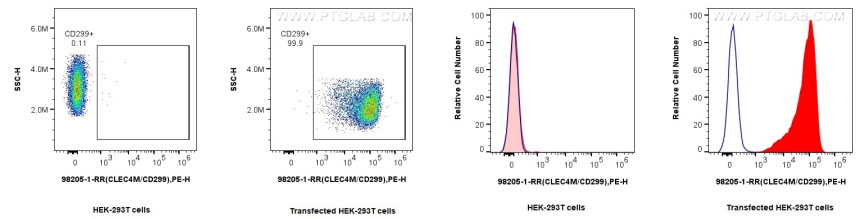
For technical support and original validation data for this product please contact:

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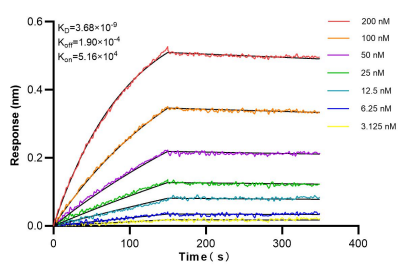
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Selected Validation Data



1x10⁶ HEK-293T cells or DC-SIGNR/CD299 transfected HEK-293T cells were surface stained with 0.25 ug Anti-Human DC-SIGNR/CD299 Rabbit Recombinant Antibody (98205-1-RR, Clone: 241683G8) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98205-1-PBS in a different storage buffer formulation.

1x10⁶ HEK-293T cells or DC-SIGNR/CD299 transfected HEK-293T cells were surface stained with 0.25 ug Anti-Human DC-SIGNR/CD299 Rabbit Recombinant Antibody (98205-1-RR, Clone:241683G8) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98205-1-PBS in a different storage buffer



Biolayer interferometry (BLI) kinetic assays of 98205-1-RR against Human DC-SIGNR/CD299 were performed. The affinity constant is 3.68 nM.