antibodies .- online.com







DC-SIGN/CD209 Protein (AA 59-404) (His tag)

Images



Overview

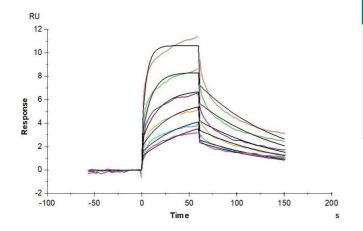
| Quantity: | 100 μg |
|-------------------------------|--|
| Target: | DC-SIGN/CD209 (CD209) |
| Protein Characteristics: | AA 59-404 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DC-SIGN/CD209 protein is labelled with His tag. |

Product Details

| Purpose: | Human CD209/DC-SIGN Protein |
|------------------------------|---|
| Sequence: | Gln59-Ala404 |
| Characteristics: | Recombinant Human CD209/DC-SIGN Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Gln59-Ala404. |
| Purity: | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC |
| Sterility: | 0.22 μm filtered |
| Endotoxin Level: | Less than 1EU per μg by the LAL method. |
| Biological Activity Comment: | The affinity constant of 0.12 μM as determined in SPR assay (Biacore T200). See testing image for detail. |

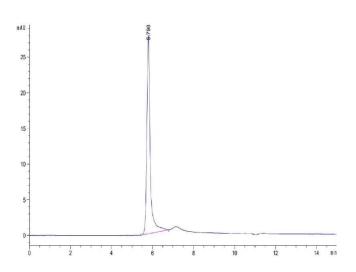
Target Details

| ranget Betane | |
|---------------------|---|
| Target: | DC-SIGN/CD209 (CD209) |
| Alternative Name: | CD209 (CD209 Products) |
| Background: | C-type lectin CD209/DC-SIGN and CD209L/L-SIGN proteins are distinct cell adhesion and pathogen recognition receptors that mediate cellular interactions and recognize a wide range of pathogens, including viruses such as SARS, SARS-CoV-2, bacteria, fungi and parasites. Pathogens exploit CD209 family proteins to promote infection and evade the immune recognition system. |
| Molecular Weight: | 40.5 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Tris-Bis PAGE result. |
| Application Details | |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu g/mL$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



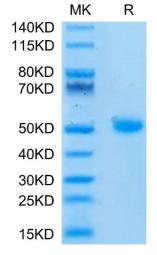
Surface Plasmon Resonance

Image 1. Human BTN2A1, His Tag immobilized on CM5 Chip can bind Human CD209, His Tag with an affinity constant of 0.12 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD209 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

 $\label{eq:mage 3.} \mbox{Human CD209 on Tris-Bis PAGE under reduced} \\ \mbox{condition. The purity is greater than 95 \% }.$