Datasheet for ABIN7596355

# DC-SIGN/CD209 Protein (AA 60-404) (hIgG-His-tag)

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## Overview

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| Quantity: | 250 µg |
| Target: | DC-SIGN/CD209 (CD209) |
| Protein Characteristics: | AA 60-404 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DC-SIGN/CD209 protein is labelled with hIgG-His-tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

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| Sequence: | VSKVPSS ISQEQSRQDA IYQNLTQLKA AVGELSEKSK LQEIYQELTQ LKAAVGELPE KSKLQEIYQE LTRLKAAVGE LPEKSKLQEI YQELTWLKAA VGELPEKSKM QEIYQELTRL KAAVGELPEK SKQQEIYQEL TRLKAAVGEL PEKSKQQEIY QELTRLKAAV GELPEKSKQQ EIYQELTQLK AAVERLCHPC PWEWTFFQGN CYFMSNSQRN WHDSITACKE VGAQLVVIKS AEEQNFLQLQ SSRSNRFTWM GLSDLNQEGT WQWVDGSPLL PSFKQYWNRG EPNNVGEEDC AEFSGNGWND DKCNLAKFWI CKKSAASCSR DEEQFLSPAP ATPNPPPA |
| Purity: | > 90% by SDS - PAGE |
| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |

## Target Details

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| Target: | DC-SIGN/CD209 (CD209) |

## Target Details

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| Alternative Name: | DC-SIGN/CD209 (CD209 Products) |
| Background: | DC-SIGN/CD209, also known as Dendritic Cell-specific ICAM-3 Grabbing Non-integrin, is a member of the C-type lectin family. It is Pathogen-recognition receptor expressed on the surface of immature dendritic cells (DCs) and involved in initiation of primary immune response. DC-SIGN on macrophages recognises and binds with high affinity to high-mannose type N-glycans, a class of pathogen associated molecular patterns PAMPs commonly found on viruses, bacteria and fungi. This binding interaction activates phagocytosis. It has a high affinity for the ICAM3 Molecule and binds various microorganisms by recognizing high-mannose-containing glycoproteins on their envelopes and especially functions as receptor for several viruses such as HIV and Hepatitis C. Besides functioning as an adhesion molecule, recent study has also shown that DC-SIGN can initiate innate immunity by modulating toll-like receptors, though the detailed mechanism is not yet known. It together with other C-type lectins is involved in recognition of tumors by dendritic cells. It is also a potential engineering target for dendritic cell based cancer vaccine. Recombinant human DC-SIGN/CD209, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Molecular Weight: | 66.5kDa (587aa) |
| NCBI Accession: | NP_066978 |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |