

For Research Use Or	ly. Not for Use in	Diagnostic Procedures
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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 25-55	Source/Isotype: Rabbit	UniProt ID: #Q9NNX6	Entrez-Gene Id: 30835
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th	lium HEPES (pH 7.5 ne antibody.), 150 mM NaCl, 100 μg/	ml BSA and 50% glر	ycerol. Store at –
Specificity/Sen	sitivity	DC-SIGN Antibody reco DC-SIGNR.	ognizes endogenou	is levels of total DC-SIGN	l protein. This antib	ody also detects
Species predict based on 100% homology	ed to react sequence	Monkey				
Source / Purific	cation	Polyclonal antibodies a residues surrounding veptide affinity chrome	are produced by im Val134 of human D atography.	munizing animals with a C-SIGN protein. Antibod	a synthetic peptide ies are purified by p	corresponding to protein A and
Background		DC-SIGN (CD209, CLEC SIGN transcript can un transmembrane and si ability to recognize boli infection. Recognition HIV by DCs and facilita adhesion to T cells three by binding to ICAM-2 (Raf-1 (6,7). The closely and likely arose throug carbohydrates on the si differ, as DC-SIGNR exp (10). Murine cells conta there is no clear murine due to its ability to recommended	(4L) is a C-type lecti odergo several splic oluble isoforms (3), th mannose and fru of the HIV envelop tes transmission of ough interaction wi 1,5). The DC-SIGN r related molecule D gh a gene duplication surface of pathoge pression is restricted ain a set of related ne ortholog to humo ognize both manno	n receptor expressed by ing events to generate a DC-SIGN responds to a uctose carbohydrates, ar e glycoprotein gp120 by f the virus to CD4 ⁺ T cells ith ICAM-3, as well as tra receptor can modulate T DC-SIGNR (L-SIGN, CLEC4 on event (8). Like DC-SIG ns (8,9). However, the ex d to endothelial cells of molecules, SIGNR1-SIGN an DC-SIGN, however SI ose and fructose structu	dendritic cells (DCs at least thirteen diff broad range of pat nd is well studied fo DC-SIGN leads to in s (2,4). DC-SIGN also unsmigration across LR signaling by acti IM) is 77% homolog IN, DC-SIGNR binds pression patterns of the liver, lymph noo UR8 (11). Based on s GNR3 is the most fur res (11).	 i) (1,2). The DC- erent hogens due to its bor its role in HIV hternalization of o mediates the endothelium vating the kinase yous to DC-SIGN mannose of the two receptors de, and placenta sequence analysis, unctionally similar
Background Re	eferences	1. Geijtenbeek, T.B. et d 2. Geijtenbeek, T.B. et d 3. Mummidi, S. et al. (20 4. Kwon, D.S. et al. (200 5. Geijtenbeek, T.B. et d 6. Gringhuis, S.I. et al. 7. Gringhuis, S.I. et al. 8. Bashirova, A.A. et al. 9. Mitchell, D.A. et al. (20 10. Pöhlmann, S. et al. 11. Powlesland, A.S. et	al. (2000) <i>Cell</i> 100, <u>9</u> al. (2000) <i>Cell</i> 100, <u>9</u> 2001) <i>J Biol Chem</i> 27 22) <i>Immunity</i> 16, 13 al. (2000) <i>Nat Immun</i> (2007) <i>Immunity</i> 26 (2010) <i>Nat Immund</i> . (2001) <i>J Exp Med</i> 1 2001) <i>J Biol Chem</i> 2 (2001) <i>Proc Natl Ac</i> al. (2006) <i>J Biol Che</i>	575-85. 587-97. 76, 33196-212. 35-44. <i>unol</i> 1, 353-7. 5, 605-16. <i>pl</i> 11, 419-26. 93, 671-8. 76, 28939-45. <i>cad Sci U S A</i> 98, 2670-5. <i>em</i> 281, 20440-9.		
Species Reactiv	/ity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a	ern blots, incubate at 4°C with gentle s	membrane with diluted haking, overnight.	primary antibody ir	ו 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IP	: Immunoprecipita	tion		

Cross-Reactivity Key	H: Human
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