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For Research Use Only. Not for Use in Diagnostic Procedures.

,	eactivity: Sensitivity: H Endogenous	MW (kDa): 45-55	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NNX6	Entrez-Gene Id: 30835	
Product Usage	Application				Dilution	
Information	Western Blotting				1:1000	
	Immunoprecipitation				1:100	
	Immunofluorescence	(Immunocytochen	nistry)		1:400	
	Flow Cytometry (Fixed	d/Permeabilized)			1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
	For a carrier free (BSA	and azide free) v	ersion of this product se	e product #98584.		
Specificity / Sensitivity		DC-SIGN (D7F5C) XP [®] Rabbit mAb recognizes endogenous levels of total DC-SIGN protein. This antibody does not cross-react with DC-SIGNR.				
Source / Purification			nunizing animals with a s uman DC-SIGN protein.	synthetic peptide corr	esponding to	
Background	SIGN transcript can un and soluble isoforms (3 both mannose and fruc the HIV envelope glyco transmission of the viru interaction with ICAM-3 DC-SIGN receptor can molecule DC-SIGNR (I duplication event (8). L pathogens (8,9). Howe restricted to endothelia related molecules, SIG	dergo several spl 3). DC-SIGN resp ctose carbohydration protein gp120 by us to CD4+ T cells 3, as well as trans modulate TLR sig L-SIGN, CLEC4M ike DC-SIGN, DC ever, the expression cells of the liver, NR1-SIGNR8 (11 powever SIGNR3 is	lectin receptor expresse icing events to generate onds to a broad range o es, and is well studied fo DC-SIGN leads to inten (2,4). DC-SIGN also me migration across the end gnaling by activating the) is 77% homologous to -SIGNR binds mannose on patterns of the two rec lymph node, and placer). Based on sequence a s the most functionally si	at least thirteen diffe f pathogens due to its or its role in HIV infect nalization of HIV by D ediates adhesion to T dothelium by binding kinase Raf-1 (6,7). T DC-SIGN and likely a carbohydrates on the ceptors differ, as DC- nta (10). Murine cells nalysis, there is no cl	rent transmembrane a ability to recognize ion. Recognition of ICS and facilitates cells through to ICAM-2 (1,5). The he closely related arose through a gene e surface of SIGNR expression is contain a set of ear murine ortholog	
Background Referenc	 es 1. Geijtenbeek, T.B. et 2. Geijtenbeek, T.B. et 3. Mummidi, S. et al. (2 4. Kwon, D.S. et al. (20 5. Geijtenbeek, T.B. et 6. Gringhuis, S.I. et al. 7. Gringhuis, S.I. et al. 8. Bashirova, A.A. et al 9. Mitchell, D.A. et al. (2 10. Pöhlmann, S. et al. (1 	al. (2000) Cell 100 2001) J Biol Chem 02) Immunity 16, al. (2000) Nat Imr (2007) Immunity 3 (2010) Nat Immun . (2001) J Exp Me 2001) J Biol Chem (2001) Proc Natl A	0, 587-97. 276, 33196-212. 135-44. nunol 1, 353-7. 26, 605-16. nol 11, 419-26. 26 193, 671-8. n 276, 28939-45. Acad Sci U S A 98, 2670	-5.		
Species Reactivity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g., w	estern blot).	
Western Blot Buffer	IMPORTANT: For weste			primary antibody in 5	% w/v BSA, 1X TBS,	

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

3/23/24, 1:39 PM	DC-SIGN (D7F5C) XP® Rabbit mAb (#13193) Datasheet Without Images Cell Signaling Technology		
Applications Key	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)		
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 		
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