



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

<b>Reagent:</b>	Anti-Human DC-SIGN/DC-SIGNR Monoclonal (DC28)
<b>Catalog Number:</b>	5443
<b>Lot Number:</b>	071010
<b>Release Category:</b>	A
<b>Provided:</b>	100 µL purified antibody at 1 mg/mL.
<b>Description:</b>	Monoclonal antibody to DC-SIGN (DC-28). Purified from ascites fluid by protein G affinity chromatography.
<b>Host:</b>	Mouse Balb/c, SP2 myeloma cells.
<b>Special Characteristics:</b>	<p>This is a murine IgG<sub>2a</sub> generated from a mouse immunized with a thioredoxin fusion protein containing the entire DC-SIGN ectodomain. Works by Western blot and FACS analysis. Also works well for immunoperoxidase staining of tissue sections. Directed against neck domain or repeat region. Exhibits cross-reactivity with DC-SIGN and DC-SIGNR of human. Also reacts with DC-SIGN of rhesus and pigtail macaque.</p> <p><a href="#">FACS Analysis of DC28 MAb</a></p>
<b>Recommended Storage:</b>	Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	Drs. F. Baribaud, S. Pöhlmann, J.A. Hoxie and R.W. Doms.
<b>Isotype:</b>	IgG <sub>2a</sub> , K
<b>References:</b>	<p>Baribaud F, Pöhlmann S, Sparwasser T, Kimata MT, Choi YK, Haggarty BS, Ahmad N, Macfarlan T, Edwards TG, Leslie GJ, Arnason J, Reinhart TA, Kimata JT, Littman DR, Hoxie JA, Doms RW. Functional and antigenic characterization of human, rhesus macaque, pigtailed macaque, and murine DC-SIGN. <i>J Virol</i> <b>75</b>:10281-10289, 2001.</p> <p>Pöhlmann S, Soilleux EJ, Baribaud F, Leslie GJ, Morris LS, Trowsdale J, Lee B, Coleman</p>

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

IN, DOMS RW. DC-SIGNR, a DC-SIGN homologue expressed in endothelial cells, binds to human and simian immunodeficiency viruses and activates infection in trans. *Proc Natl Acad Sci* **98**:2670-2675, 2001.

Pöhlmann S, Baribaud F, Lee B, Leslie GJ, Sanchez MD, Hiebenthal-Millow K, Münch J, Kirchhoff F, Doms RW. DC-SIGN interactions with human immunodeficiency virus type 1, type 2 and simian immunodeficiency virus. *J Virol* **75**:4664-4672, 2001.

Soilleux EJ, Barten R, Trowsdale J. DC-SIGN; a related gene, DC-SIGNR; and CD223 form a cluster on 19p13. *J Immunol* **165**:2937-2942, 2000.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human DC-SIGN/DC-SIGNR Monoclonal (DC28) from Drs. F. Baribaud, S. Pöhlmann, J.A. Hoxie and R.W. Doms." Also include the references cited above in any publications.

**Last Updated**

September 01, 2017

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