



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-Human DC-SIGN/DC-SIGNR Monoclonal (DC4)

Catalog Number: 5442

Lot Number: 020016

Release Category: A

Provided: 50 µl ascites.

Host: Mouse Balb/c, SP2 myeloma cells.

Titer: 0.7 mg/ml.

Special Characteristics: This is a murine IgG₁ 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.

Recommended Storage: -70°C.

Contributor: Drs. F. Baribaud, S. Pöhlmann, J.A. Hoxie and R.W. Doms.

Isotype: IgG₁, κ

References: 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. *J Virol* **75**:10281-10289, 2001. Pöhlmann S, Soilleux EJ, Baribaud F, Leslie GJ, Morris LS, Trowsdale J, Lee B, Coleman N, 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*

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.

98:2670-2675, 2001. Pommann 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 (DC4) 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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