



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-Human DC-SIGN Monoclonal (DC6)

Catalog Number: 6456

Lot Number: 070498

Release Category: A

Provided: 200 µL affinity purified antibody at 4.2 mg/ml in PBS (0.02% Sodium Azide).

Description: Anti-DC-SIGN specific monoclonal antibody, reacts against an epitope at the C-terminus included within KKSAAASCSRDEEQFLSPAPATPNPPPA. Balb/c mice were immunized intradermally 4 times weekly with 100 ug of bacterial ectodomain of hu-DC-SIGN. Four days following the last injection, spleen cells were obtained and fused to the murine cell line SP2. Hybridoma supernatants were screened by ELISA for reactivity with the hu-DC-SIGN ectodomain immunogen but not against a negative control protein (thioredoxin) and cloned by limiting dilution. Works by Western blot, FACS analysis, IF and ELISA. Exhibits no cross-reactivity with human DC-SIGNR; monkey DC-SIGNR was not tested.

Host Site: Mouse Balb/c, SP2 myeloma cells.

Recommended Storage: Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

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

Isotype: IgG_{1,k}

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.

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.

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 Monoclonal (DC6) from Drs. F. Baribaud, S. Pöhlmann, J.A. Hoxie and R.W. Doms." Also include the reference cited above in any publications.

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