NIH AIDS Reagent Program
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DATA SHEET

Reagent:	Anti-Human CXCR4 Monoclonal (44716)
Catalog Number:	4085
Lot Number:	130129
Release Category:	A
Provided:	100µg (1 mg/mL) purified protein, resuspended in PBS.
Description:	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a Balb/c mouse inoculated with hCXCR4 transfected mouse 3T3 cells. The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography. CXCR4 is a G-protien-linked seven transmembrane spanning receptor that binds stromal cell-derived factor-1 (SDF-1). CXCR4 acts as a co-factor for T-cell trophic HIV-1 and -2 viral entry into cells.
Host:	Balb/c mouse splenocyte.
Special Characteristics:	This antibody was selected for its ability to react specifically with human CXCR4 (fusin) expressed on human or non-human cells as detected by flow cytometry. It will also react with cells expressing feline CXCR4 but not rat CXCR4. This antibody does not cross-react with other chemokine receptors. Specificity: human CXCR4 (fusin) Applications: Neutralization of bioactivity, Flow cytometry, Immunohistochemistry Commerically available at R&D Systems Cat# MAB172
Recommended Storage:	-70°C.
Contributor:	DAIDS, NIAID
Isotype:	IgG_{2b}

References:	Endres MJ, et al. Cell 87:745, 1996.
NOTE:	Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-Human CXCR4 Monoclonal (44716)."
Last Updated	March 01, 2016