



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-Human GPR15 Polyclonal (NT)

Catalog Number: 11239

Lot Number: 2101-0501

Provided: 100 µg per vial of purified IgG in PBS containing 0.02% sodium azide.

Host: Rabbit anti-GPR15/BoB polyclonal antibody was raised against a peptide corresponding to aa 13-28 of human GPR15 (1). This sequence differs from African green monkey and pig-tailed macaque BOB by one aa (3).

Description: Human immunodeficiency virus (HIV) and related viruses require coreceptors to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, CCR2b and CCR8 in the chemokine receptor family, and four new human molecules GPR15, STRL33, GPR1 and V28 were recently identified as HIV coreceptors. The genes encoding human and monkey GPR15/BOB (for G protein-coupled receptor 15 and brother of Bonzo, respectively,) were recently cloned (1,2). This novel G protein-coupled receptor serves as coreceptor for simian immunodeficiency virus (SIV), and for strains of HIV-2 and M-tropic HIV-1 (2,3). The ligand for GPR15 has not been identified yet.

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: ProSci, Incorporated

References: Heiber M, Marchese A, Nguyen T, Heng HH, George SR, O'Dowd BF. A novel human gene encoding a G-protein-coupled receptor (GPR15) is located on chromosome 3. *Genomics* 1996;**32**:462-5.
Deng HK, Unutmaz D, KewalRamani VN, Littman DR. Expression cloning of new receptors used by simian and human immunodeficiency viruses. *Nature* 1997;**388**:296-300.
Farzan M, Choe H, Martin K, Marcon L, Hofmann W, Karlsson G, Sun Y, Barrett P, Marchand N, Sullivan N, Gerard N, Gerard C, Sodroski J. Two orphan seven-transmembrane segment receptors which are expressed in CD4-positive cells support simian immunodeficiency virus infection. *J Exp Med* 1997;**186**:405-11.

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 from ProSci Inc.: Anti-Human GPR15 Polyclonal (NT)." Also include the references cited above in any publications.

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