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DATA SHEET

Reagent: Anti-Human CCR8 Polyclonal (EL)

Catalog Number: 11233

Lot Number: 2097-0303

Provided: 50 µg per vial supplied in PBS containing 0.02% sodium azide.

Host: Rabbit anti-CCR8 polyclonal antibody was raised against a peptide corresponding to amino acids 183 to 201 of human CCR8, which locate in the second extracellular loop (1-3).

Description: CCR8 is one of the chemokine receptors that are required as coreceptors for HIV infection. The genes encoding human and murine CCR8 were cloned and designated TER1, CKR-L1, and ChemR1 (1-4). The encoded seven transmembrane protein was identified as the receptor for human CC chemokine I-309 and renamed CCR8. Recently, CCR8 was found to serve as a coreceptor for diverse T-cell tropic, dual-tropic and macrophage-tropic HIV-1 strains (5). CCR8 mediates CC chemokine I-309 induced monocyte chemoattraction and HIV-1 envelope fusion and virus infection, which can be prevented by the CCR8 ligand I-309. CCR8 is expressed in spleen, thymus and T lymphoblastic cell lines.

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:

Napolitano M, Zingoni A, Bernardini G, Spinetti G, Nista A, Storlazzi CT, Rocchi M, Santoni A. Molecular cloning of TER1, a chemokine receptor-like gene expressed by lymphoid tissues. *J Immunol* 1996;**157**:2759-63.

Zaballos A, Varona R, Gutierrez J, Lind P, Marquez G. Molecular cloning and RNA expression of two new human chemokine receptor-like genes. *Biochem Biophys Res Commun* 1996;**227**:846-53>

Samson M, Stordeur P, Labbe O, Soularue P, Vassart G, Parmentier M. Molecular cloning and chromosomal mapping of a novel human gene, ChemR1, expressed in T lymphocytes and polymorphonuclear cells and encoding a putative chemokine receptor. *Eur J Immunol* 1996;**26**:3021-8.

Goya I, Gutierrez J, Varona R, Kremer L, Zaballos A, Marquez G. Identification of CCR8 as

the specific receptor for the human beta-chemokine I-309: cloning and molecular characterization of murine CCR8 as the receptor for TCA-3. *J Immunol* 1998;**160**:1975-81.

Horuk R, Hesselgesser J, Zhou Y, Faulds D, Halks-Miller M, Harvey S, Taub D, Samson M, Parmentier M, Rucker J, Doranz BJ, Doms RW. The CC chemokine I-309 inhibits CCR8-dependent infection by diverse HIV-1 strains. *J Biol Chem* 1998;**273**:386-91. (WD1299).

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 CCR8 Polyclonal (EL)." Also include the references cited above in any publications.