

CKR-8 (Z-12): sc-73847

BACKGROUND

C-C or β chemokine family members are characterized by a pair of adjacent cysteine residues and serve as potent chemoattractants and activators of monocytes and T cells. C-C chemokine receptor family members include CKR-1, CKR-2A, CKR-2B, CKR-3, CKR-4, CKR-5, CKR-6, CKR-7, CKR-8, CKR-9, CKR-10 and the Duffy blood group antigen. Each of these receptors are G protein-coupled, seven pass transmembrane domain proteins, whose major physiological role is to function in the chemotaxis of T cells and phagocytic cells to areas of inflammation. CKR-8 is expressed on monocytes and type 2 T lymphocytes that are found in lymphoid tissues, such as thymus, spleen and lymph nodes. CKR-8 is a receptor for I-309 and the monocyte inflammatory protein-1 (vMIP-I) and is thought to mediate the activation, migration and proliferation of lymphoid cells. CKR-9, also designated GPR-9-6, is a receptor for the thymus expressed chemokine TECK. CKR-9 and TECK are thought to have a specialized role in the immune response because both are highly expressed by T lymphocytes in the small intestine, while T lymphocytes in several other tissues are CKR-9/TECK negative.

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CHROMOSOMAL LOCATION

Genetic locus: CCR8 (human) mapping to 3p22.2.

SOURCE

CKR-8 (Z-12) is a rat monoclonal antibody raised against BaF/3 cells transfected with CKR-8 of human origin.

PRODUCT

Each vial contains 100 μ g IgG_{2b} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

CKR-8 (Z-12) is recommended for detection of CKR-8 of human origin by flow cytometry (1 μ g per 1 x 10⁶ cells).

Suitable for use as control antibody for CKR-8 siRNA (h): sc-39890, CKR-8 shRNA Plasmid (h): sc-39890-SH and CKR-8 shRNA (h) Lentiviral Particles: sc-39890-V.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.