

CKR-9 (9B1): sc-53994

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 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-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: CCR9 (human) mapping to 3p21.31; Ccr9 (mouse) mapping to 9 F4.

SOURCE

CKR-9 (9B1) is a rat monoclonal antibody raised against a peptide corresponding to amino acids 1-25 mapping to the N-terminus of CKR-9 of mouse origin.

PRODUCT

Each vial contains 200 μ g IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available azide-free for blocking TECK (CCL25)-induced Ca release from L1.2-mCKR9 cells, sc-53994 L, 200 μ g/0.1 ml.

CKR-9 (9B1) is available conjugated to either phycoerythrin (sc-53994 PE) or fluorescein (sc-53994 FITC), 200 μ g/ml, for IF, IHC(P) and FCM.

APPLICATIONS

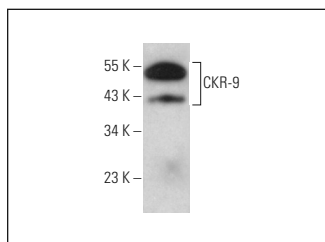
CKR-9 (9B1) is recommended for detection of CKR-9 from (neonatal) thymus, spleen, mesenteric lymph nodes and small intestinal lamina propria of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and flow cytometry (1 μ g per 1 x 10⁶ cells).

Suitable for use as control antibody for CKR-9 siRNA (h): sc-39892, CKR-9 siRNA (m): sc-39893, CKR-9 shRNA Plasmid (h): sc-39892-SH, CKR-9 shRNA Plasmid (m): sc-39893-SH, CKR-9 shRNA (h) Lentiviral Particles: sc-39892-V and CKR-9 shRNA (m) Lentiviral Particles: sc-39893-V.

Molecular Weight of CKR-9: 42 kDa.

Positive Controls: human lymph node extract: sc-363768.

DATA



CKR-9 (9B1): sc-53994. Western blot analysis of CKR-9 expression in human lymph node tissue extract.

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.