SANTA CRUZ BIOTECHNOLOGY, INC.

# CKR-2 (48607.121): sc-57068

SANTA CRUZ BIOTECHNOLOGY

*The Power to Question*

## 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 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. However, this receptor family has also been shown to facilitate viral infection. Termed a "co-receptor", CKR-5, along with CD4, has been shown to be a major receptor for HIV. CKR-5 tends to associate with macrophage tropic viruses, such as macrophage tropic HIV-1, while CKR-2B and CKR-3 bind a minority of viruses.

## REFERENCES


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## CHROMOSOMAL LOCATION

Genetic locus: CCR2 (human) mapping to 3p21.31.

## SOURCE

CKR-2 (48607.121) is a mouse monoclonal antibody raised against CKR-2 of human origin.

## PRODUCT

Each vial contains 100 µg $IgG_{2b}$ in 1.0 ml of PBS with < 0.1% sodium azide and protein stabilizer.

## APPLICATIONS

CKR-2 (48607.121) is recommended for detection of CKR-2 transfected cells of human origin by flow cytometry (1 µg per 1 x $10^6$ cells); non cross-reactive with CKR-5 transfected cells.

Suitable for use as control antibody for CKR-2 siRNA (h): sc-270220, CKR-2 shRNA Plasmid (h): sc-270220-SH and CKR-2 shRNA (h) Lentiviral Particles: sc-270220-V.

Molecular Weight of CKR-2: 47 kDa.

## 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.