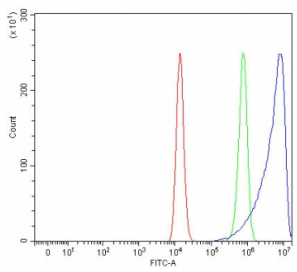
C-C chemokine receptor type 4 Antibody / CCR4 (RQ8008)

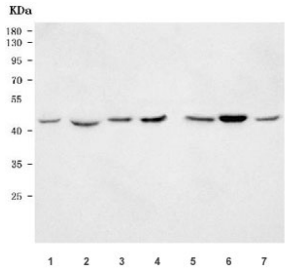
Catalog No.	Formulation	Size
RQ8008	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51679
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This C-C chemokine receptor type 4 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human HEL cells with C-C chemokine receptor type 4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= C-C chemokine receptor type 4 antibody.



Western blot testing of 1) human 293T, 2) human Raji, 3) rat spleen, 4) rat thymus, 5) mouse spleen, 6) mouse thymus and 7) mouse RAW264.7 cell lysate with C-C chemokine receptor type 4 antibody. Predicted molecular weight ~41 kDa but may be observed at higher molecular weights due to glycosylation.

Description

CCR4, or C-C chemokine receptor type 4, is a protein that in humans is encoded by the CCR4 gene. CCR4 has also recently been designated CD194 (cluster of differentiation 194). The protein encoded by this gene belongs to the G protein-coupled receptor family. It is a receptor for the following CC chemokines. The CCR4 gene is mapped to chromosome 3. Chemokines are a group of small structurally related proteins that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.

Application Notes

Optimal dilution of the C-C chemokine receptor type 4 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids L267-H296) was used as the immunogen for the C-C chemokine receptor type 4 antibody.

Storage

After reconstitution, the C-C chemokine receptor type 4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.