

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCR4 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse CCR4 Met1-Glu39, Ala99-Lys111, Ser176-Ile205, Val268-Tyr284 Accession # P51680
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CCR4 (C-C chemokine receptor 4) is a 42 kDa member of the GPCR #1 family of transmembrane proteins. In rodent, functional CCR4 is expressed on fully differentiated CD4⁺ Th2 cells, invariant CD4⁺ NKT cells, and neurons. It is the receptor for CCL17/TARC, CCL22/MDC and CKLF1, and responds to these ligands by initiating chemotaxis. Mouse CCR4 is a 7-transmembrane protein that is 360 amino acids (aa) in length. It contains a 39 aa N-terminal extracellular domain, and a 52 aa C-terminal cytoplasmic tail that shows a poly-Ser motif between aa 343-346. Over aa sequences 1-39, 99-111, 176-205 and 268-284 collectively, mouse CCR4 shares 85% and 93% aa identity with human and rat CCR4, respectively.

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