

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL1/I-309/TCA-3 in ELISAs and Western blots. In sandwich immunoassays, no cross-reactivity or interference with recombinant human CCL1, recombinant mouse (rm) CCL17, rmCCL19 or rmCCL24 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 148107
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CCL1/I-309/TCA-3 Lys24-Cys92 Accession # P10146
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Neutralization	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

Mouse TCA-3 is a member of the CC beta family of chemokines, designated CCL1. The human chemokine I-309, which shares approximately 42% amino acid (aa) sequence identity, is the orthologue of mouse TCA-3. Mouse TCA-3 and human I-309 also share significant sequence homology in the 5' flanking region of their genes and each contain an extra pair of cysteine residues not found in most other chemokines.

TCA-3 cDNA encodes a 92 aa precursor protein with a predicted 23 aa signal peptide that is cleaved to produce a 69 aa mature protein. The sequence of TCA-3 contains one potential N-linked glycosylation site. Mouse TCA-3 is found on the distal portion of mouse chromosome 11 in a cluster with MIP-1α, MIP-1β and JE. TCA-3 acts by binding to the seven transmembrane spanning G-protein-coupled receptor, CCR8. TCA-3 has been shown to chemoattract T-cells.

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