Mouse CCL1/I-309/TCA-3 Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 148113

Catalog Number: FAB845R

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CCL1 in direct ELISAs and Western blots. In direct ELISAs, does not cross-react with recombinant cotton rat CCL3, 4, 5, recombinant human CCL1, 2, 3, 4, 5, 7, 8, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, recombinant mou
Source	Monoclonal Rat IgG_{2A} Clone # 148113
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 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.*

Neutralization	Optimal dilution of this antibody should be experimentally determined.
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

Mouse CCL1, also known as TCA-3, is a member of the CC beta family of chemokines. The human chemokine I-309, which shares approximately 42% amino acid (aa) sequence identity, has been assumed to be the homologue 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.

CCL1 cDNA encodes a 92 aa residue precursor protein with a predicted 23 aa signal peptide that is cleaved to produce a 69 aa mature protein. The sequence of CCL1 contains one potential N-linked glycosylation site. Mouse CCL1 is found on the distal portion of mouse chromosome 11 in a cluster with MIP-1α, MIP-1β and JE. CCL1 acts by binding to the seven transmembrane spanning G-protein-coupled receptor, CCR8. CCL1 has been shown to chemoattract T cells.

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