

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 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.

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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.