

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CCL1/I-309/TCA-3 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human CCL2, 3, 4, 5, 7, 8, 9/10/MIP-1γ, 11, 14, 17, 19, 20, 21, 25, 28, recombinant mouse CCL2, 3, 5, 6, 7, 9/10/MIP-1
Source	Monoclonal Mouse IgG ₁ Clone # 35305
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human CCL1/I-309/TCA-3 Lys24-Lys96 Accession # P22362
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.
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

Human CCL1 was initially identified by subtractive hybridization as a transcript that was present in a γδ T cell line but not in EBV-transformed B cells. Human CCL1 has been assumed to be a homologue of the mouse TCA3. While the two proteins share only approximately 42% amino acid sequence identity, both chemokines contain an extra pair of cysteine residues not found in most other chemokines. Human CCL1 and mouse TCA3 also share significant sequence homology in the 5' flanking region of their genes. CCL1 cDNA encodes a 96 amino acid precursor protein with a hydrophobic signal peptide that is cleaved to yield a 73 amino acid mature protein. The CCL1 sequence contains one potential N-linked glycosylation site, and natural CCL1 secreted by activated T cells is a glycoprotein doublet of 15-16 kDa. The amino acid sequence of CCL1 identified the protein as a member of the chemokine β subfamily.

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