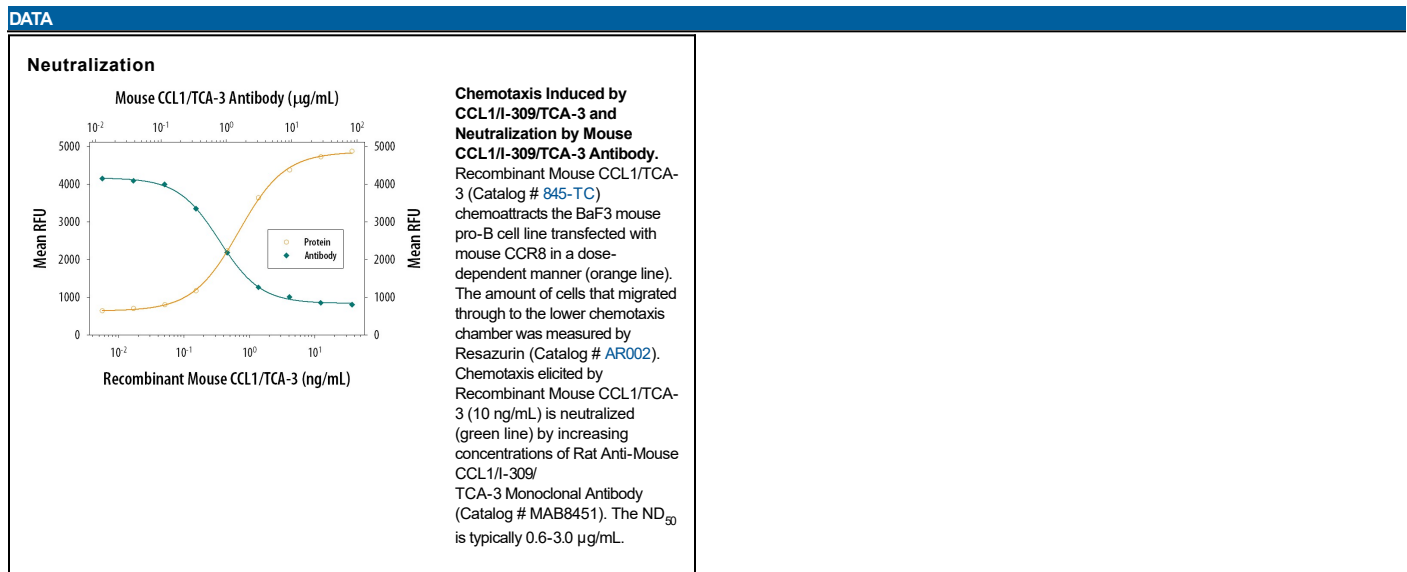


DESCRIPTION	
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CCL1/I-309/TCA-3 in ELISAs and Western blots. In sandwich immunoassays, no cross-reactivity or interference with recombinant human CCL1, recombinant mouse (rm) CCL17, rmCCL19 or rmCCL24 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 148107
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse CCL1/I-309/TCA-3 Lys24-Cys92 Accession # P10146
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS	
<b>Please Note:</b> Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.	
<b>Mouse CCL1/TCA-3 Sandwich Immunoassay</b>	<b>Reagent</b>
<b>ELISA Capture</b>	2-8 µg/mL Mouse CCL1/I-309/TCA-3 Antibody (Catalog # MAB8451)
<b>ELISA Detection</b>	0.1-0.4 µg/mL Mouse CCL1/I-309/TCA-3 Biotinylated Antibody (Catalog # BAF845)
<b>Standard</b>	Recombinant Mouse CCL1/I-309/TCA-3 (Catalog # 845-TC)
<b>Neutralization</b>	Measured by its ability to neutralize CCL1/I-309/TCA-3-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with mouse CCR8. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.6-3.0 µg/mL in the presence of 10 ng/mL Recombinant Mouse CCL1/I-309/TCA-3.



PREPARATION AND STORAGE	
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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-1 $\alpha$ , MIP-1 $\beta$  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.

**References:**

1. Goya, I. *et al.* (1998) *J. Immunol.* **160**:1975.
2. Burd, P. *et al.* (1987) *J. Immunol.* **139**:3126.