

**DESCRIPTION**

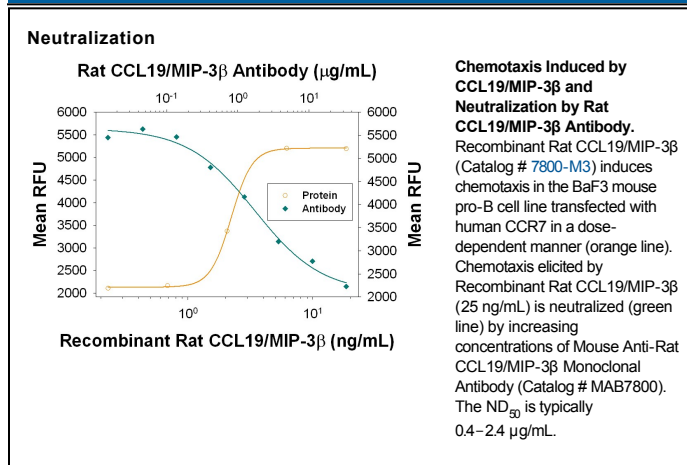
<b>Species Reactivity</b>	Rat
<b>Specificity</b>	Detects rat CCL19/MIP-3 $\beta$ in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 866202
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant rat CCL19/MIP-3 $\beta$ Gly26-Ser108 Accession # NP_001102131
<b>Endotoxin Level</b>	<0.10 EU per 1 $\mu$ g of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 $\mu$ m filtered solution in PBS.

**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.

<b>Neutralization</b>	Measured by its ability to neutralize CCL19/MIP-3 $\beta$ -induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR7. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.4-2.4 $\mu$ g/ml in the presence of 25 ng/mL Recombinant Rat CCL19/MIP-3 $\beta$ .
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**DATA**



**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**

CCL19 (also known as Mip-3 $\beta$ , ELC, CK $\beta$ -11, Scya19 and Exodus-3) is a 9 kDa secreted member of the CC family of chemotactic cytokines (1-4). Cells known to express CCL19 are limited in number, and include activated monocytes (5), stromal cells in nodal T zones (6), CD8<sup>+</sup> dendritic cells (DC) (6), vascular endothelial cells (7), visceral smooth muscle and mast cells (8), and thymic stromal cells (9). Rat CCL19 is synthesized as a precursor that is 1108 amino acids (aa) in length. Mature rat CCL19 shares 72% and 89% aa sequence identity with human and mouse CCL19, respectively. CCL19 is known to bind to CCR7 (3, 4), CCLR2/CRAM (L-CCR in rodent) (10, 11) and CCX-CKR (12), with the last two receptors representing scavenger, or chemokine-sink receptors.

**References:**

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