

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse CCL6/C10 in Western blots. In this format, approximately 20% cross-reactivity with recombinant mouse MIP-1 $\gamma$ is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse CCL6/C10 (R&D Systems, Catalog # 487-C) Gly22-Ala116 Accession # P27784
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

## 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	0.1 $\mu$ g/mL	Recombinant Mouse CCL6/C10 (Catalog # 487-C)

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 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.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <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 CCL6, a member of the  $\beta$  subfamily of chemokines, was initially identified as a transcript that is induced in bone marrow cells upon stimulation with GM-CSF. A human homologue for mouse CCL6 has not been identified. The mCCL6 cDNA encodes a 116 amino acid residue precursor protein with a hydrophobic signal peptide that is cleaved to yield a 95 amino acid residue mature protein. Compared to other chemokines, mCCL6 has a large N-terminal extension. The expression of CCL6 mRNA has been detected in mouse monocytes and neutrophils, where it is strongly induced upon GM-CSF stimulation. CCL6 expression has also been detected in an IL-2-dependent T cell line, where the expression is inhibited following T cell stimulation. Mouse CCL6 expression was also shown to be strongly induced by IL-4 in mouse macrophages. The gene for CCL6 has been mapped to mouse chromosome 11.