

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse IL-16 in Western blots. In this format, approximately 50% cross-reactivity with recombinant human IL-16 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse IL-16 Ser507-Ser624 Accession # NP_034681
<b>Formulation</b>	Lyophilized from a 0.2 µm 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 µg/mL	Recombinant Mouse IL-16 C-terminal Peptide

## 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

Interleukin 16, also known as lymphocyte chemoattractant factor (LCF), refers to the C-terminal peptide of mouse pro-IL-16 or neuronal IL-16, which are nuclear and cytoplasmic PD2 domain containing proteins. The C-termini of these proteins are cleaved by Caspase-3, resulting in the release of secreted IL-16. Mature IL-16 has been shown to bind the cell surface receptor CD4 and function as an immunomodulatory cytokine. The C-terminal peptide of human and mouse IL-16 share approximately 86% amino acid sequence identity.