

## DESCRIPTION

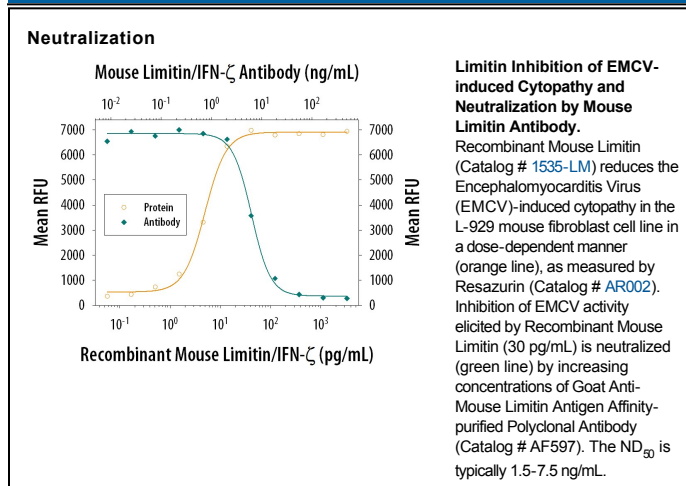
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects Limitin/IFN- $\zeta$ in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant mouse IFN- $\gamma$ is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Limitin/IFN- $\zeta$ Leu22-Arg182 Accession # Q9R1T0
<b>Endotoxin Level</b>	<0.01 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>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 $\mu$ g/mL	Recombinant Mouse Limitin/IFN- $\zeta$ (Catalog # 1535-LM)
<b>Immunohistochemistry</b>	5-15 $\mu$ g/mL	Perfusion fixed frozen sections of mouse thymus
<b>Neutralization</b>	Measured by its ability to neutralize Limitin inhibition of EMCV-induced cytopathy in the L-929 mouse fibroblast cell line. Vogel, S. and M. Hogan (1995) in <i>Current Protocols in Immunology</i> . Cicio, R. (ed); John Wiley & Sons, Inc. p. 6. 9. 1. The Neutralization Dose (ND <sub>50</sub> ) is typically 1.5-7.5 ng/mL in the presence of 30 $\mu$ g/mL Recombinant Mouse Limitin.	

## DATA



## 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. *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

Limitin, also known as IFN- $\zeta$ , is a 20 kDa glycoprotein that is secreted by T cells and bronchial and salivary duct epithelial cells. It inhibits B-lineage cell development but has little effect on myelopoiesis or erythropoiesis. Limitin binds to IFN- $\alpha/\beta$  receptors and has potent antiviral activity. Mouse Limitin shares 32%, 26%, and 30% amino acid sequence identity with mouse IFN- $\alpha$ , mouse IFN- $\beta$ , and human IFN- $\omega$ , respectively.