

**DESCRIPTION**

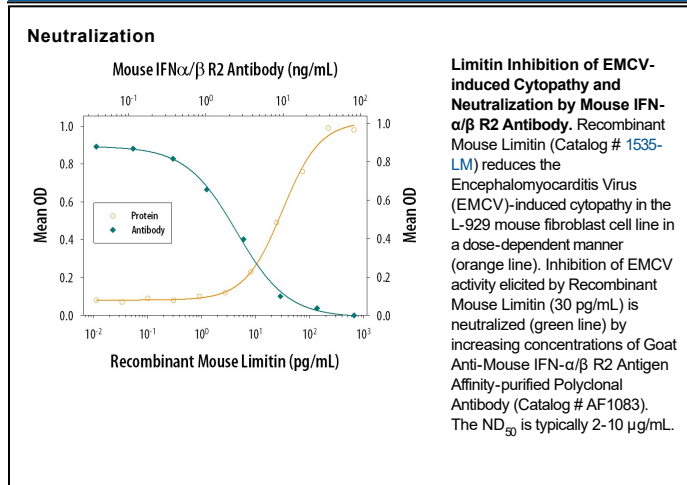
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse IFN- $\alpha/\beta$ R2 in direct ELISAs and Western blots. In Western blots, approximately 10% cross-reactivity with recombinant mouse (rm) IFN- $\gamma$ R2 and rmlL-20 R $\alpha$ is observed, 5% cross-reactivity with recombinant human (rh) IL-10 R $\beta$ , rmlFN- $\gamma$ RI, and rhIL-20 R $\beta$ is observed and less than 1% cross-reactivity with rhIFN- $\beta$ R $\alpha$ 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 IFN- $\alpha/\beta$ R2 Ser22-Ala239 (Lys160Asn) Accession # Q9D1R7
<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 either lyophilized or 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 IFN- $\alpha/\beta$ R2
<b>Neutralization</b>	Measured by its ability to neutralize IFN- $\alpha/\beta$ R2-mediated inhibition of EMCV-induced cytopathy in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND <sub>50</sub> ) is typically 2-10 $\mu$ g/mL in the presence of 30 pg/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**

IFN- $\alpha/\beta$  R2 belongs to the type II cytokine receptor family. It complexes with IFN- $\alpha/\beta$  R1 to form the signaling receptor complex for the family of  $\alpha$  and  $\beta$  IFN subtypes. By alternative splicing, IFN- $\alpha/\beta$  R2 can exist as a secreted soluble protein or as a type I membrane protein.