

DESCRIPTION

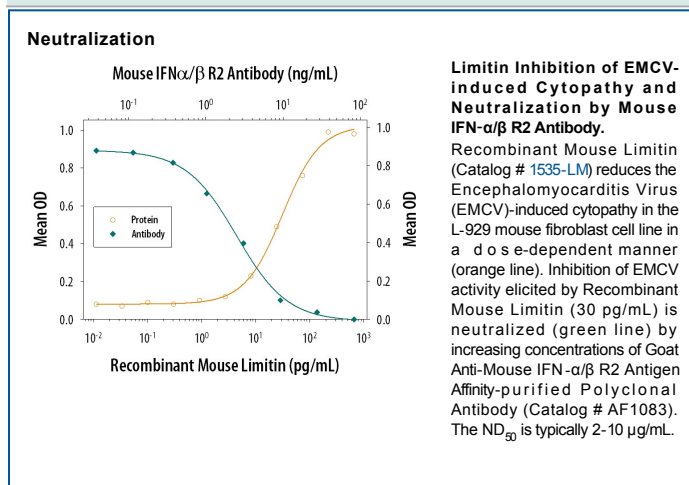
Species Reactivity	Mouse
Specificity	Detects mouse IFN- α/β R2 in direct ELISAs and Western blots. In Western blots, approximately 10% cross-reactivity with recombinant mouse (rm) IFN- γ R2 and rmlL-20 R α is observed, 5% cross-reactivity with recombinant human (rh) IL-10 R β , rmIFN- γ RI, and rhIL-20 R β is observed and less than 1% cross-reactivity with rhIFN- β R α is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IFN- α/β R2 Ser22-Ala239 (Lys160Asn) Accession # Q9D1R7
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. 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
Western Blot	0.1 μ g/mL	Recombinant Mouse IFN- α/β R2
Neutralization	Measured by its ability to neutralize IFN- α/β R2-mediated inhibition of EMCV-induced cytopathy in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND ₅₀) is typically 2-10 μ g/mL in the presence of 30 pg/mL Recombinant Mouse Limitin.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

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