

DESCRIPTION

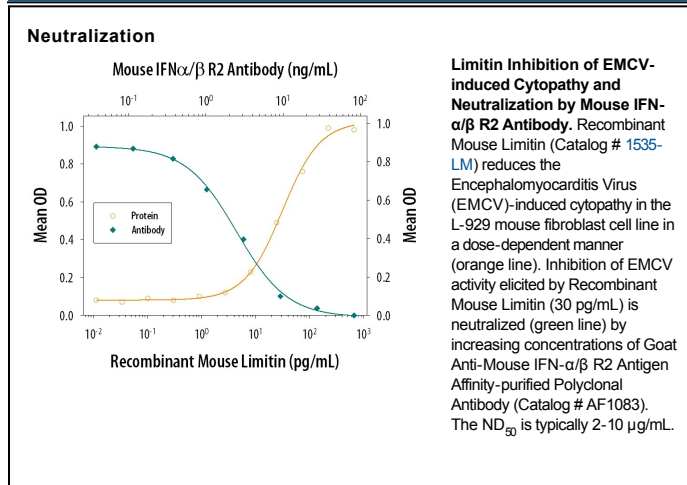
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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 , rmlFN- 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. *Small pack size (-SP) is supplied as a 0.2 μ 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.

| | 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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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.