

DESCRIPTION

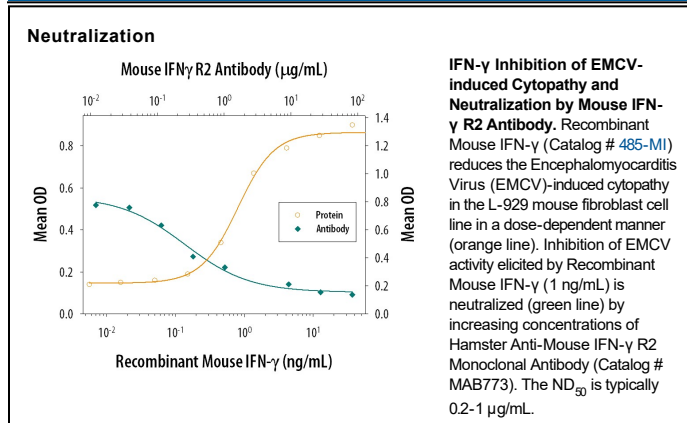
Species Reactivity	Mouse
Specificity	Detects mouse IFN- γ R2 extracellular domain in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) IFN- γ R2, recombinant mouse IFN- γ R1, rhIFN- γ R1, or rhIL-10 R β is observed.
Source	Monoclonal Hamster IgG Clone # MOB47
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Recombinant mouse IFN- γ R2 Extracellular domain
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 either lyophilized or 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	1 μ g/mL	Recombinant Mouse IFN- γ R2
Flow Cytometry	2.5 μ g/10 ⁶ cells	This antibody has been shown to recognize mouse IFN- γ R2 expressed on mouse T cells (Bach, E. <i>et al.</i> , 1995, <i>Science</i> 270 :1215). This application was not tested by R&D Systems.
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Neutralization	Measured by its ability to neutralize IFN- γ R2-mediated 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> . Ciocio, R. (ed); John Wiley & Sons, Inc. p. 6. 9. 1. The Neutralization Dose (ND ₅₀) is typically 0.2-1 μ g/mL in the presence of 1 ng/mL Recombinant Mouse IFN- γ .	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Interferon gamma Receptor 2 (IFN- γ R2) is a type II transmembrane protein that associates with IFN- γ R1 to form a high affinity receptor complex for IFN- γ . IFN- γ R2 is required for signal transduction but does not bind IFN- γ by itself.