

DESCRIPTION

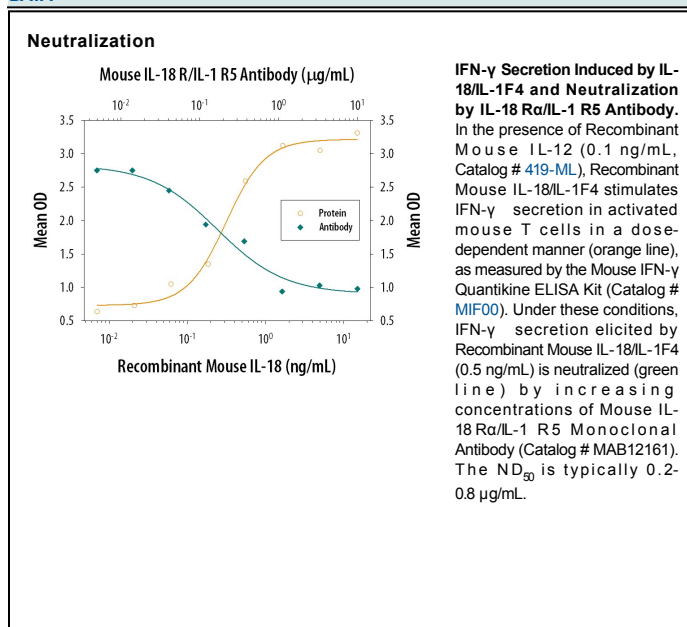
Species Reactivity	Mouse
Specificity	Detects mouse IL-18 R in direct ELISAs. In direct ELISAs, this antibody does not cross-react with recombinant mouse (rm) IL-1 R1, rmlL-1 R11, rhIL-1 R3, recombinant human (rh) IL-1 R4, rhIL-1 R5, recombinant rat IL-1 R6, rmlL-1 R7, rhIL-1 R8, rhIL-1 R9, or rmSIGIRR.
Source	Monoclonal Rat IgG _{2A} Clone # 112624
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IL-18 R α Ser19-Gly326 Accession # Q61098
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	1 μ g/mL	Recombinant Mouse IL-18 R α /IL-1 R5
Neutralization		Measured by its ability to neutralize IL-18/IL-1F4-induced IFN- γ secretion in activated mouse T cells. The Neutralization Dose (ND ₅₀) is typically 0.2-0.8 μ g/mL in the presence of 0.5 ng/mL Recombinant Mouse IL-18/IL-1F4 and 0.1 ng/mL Recombinant Mouse IL-12.

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

IL-18 R, also known as IL-18 R alpha, is a member of the IL-1 receptor family and has been designated IL-1 R5.