

Mouse IL-18 Rα/IL-1 R5 Antibody

Monoclonal Rat IgG_{2A} Clone # 112624 Catalog Number: MAB12161

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 RI, rmIL-1 RII, rhIL-1 R3, recombinant human (rh) IL-1 R4, rhIL-1 R5, recombinant rat IL-1 R6, rmIL-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 Rα Ser19-Gly326 Accession # Q61098 **Endotoxin Level** <0.10 EU per 1 µg of the antibody by the LAL method.

APPLICATIONS

Formulation

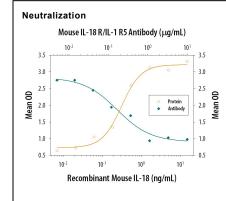
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

*Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	Recombinant Mouse IL-18 Rα/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 μg/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



IFN-y Secretion Induced by IL-18/IL-1F4 and Neutralization by IL-18 Rα/IL-1 R5 Antibody. In the presence of Recombinant Mouse IL-12 (0.1 ng/mL, Catalog # 419-ML), Recombinant Mouse IL-18/IL-1F4 stimulates IFN-y secretion in activated mouse T cells in a dosedependent manner (orange line), as measured by the Mouse IFN-y Quantikine ELISA Kit (Catalog # MIF00). Under these conditions, IFN-γ secretion elicited by Recombinant Mouse IL-18/IL-1F4 (0.5 ng/mL) is neutralized (green line) by increasing concentrations of Mouse IL-18 Rα/IL-1 R5 Monoclonal Antibody (Catalog # MAB12161). The ND₅₀ is typically 0.2-0.8 µg/mL.

PREPARATION AND STORAGE

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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		

- 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

