

DESCRIPTION

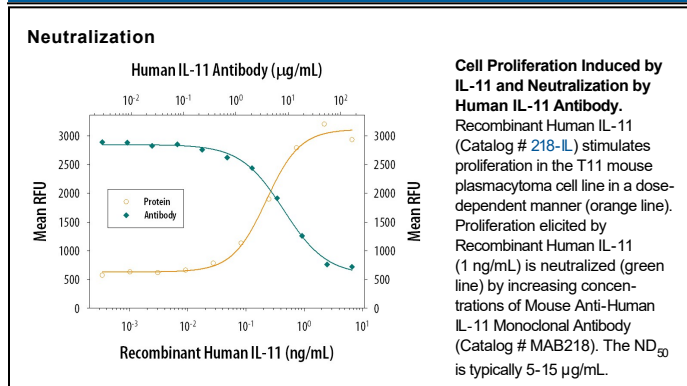
Species Reactivity	Human
Specificity	Detects human IL-11 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross-reactivity with recombinant mouse IL-11 is observed and no cross-reactivity with recombinant human (rh) IL-6, rhCNTF, rhLIF, rhOSM, rhCLC, or rhCT-1 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 22626
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IL-11 Pro22-Leu199 Accession # P20809
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm 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 µm 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 µg/mL	Recombinant Human IL-11 (Catalog # 218-IL)
Neutralization		Measured by its ability to neutralize IL-11-induced proliferation in the T11 mouse plasmacytoma cell line. Nordan, R. P. <i>et al.</i> (1987) <i>J. Immunol.</i> 139 :813. The Neutralization Dose (ND ₅₀) is typically 5-15 µg/mL in the presence of 1 ng/mL Recombinant Human IL-11.

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

Interleukin-11 (IL-11) is a pleiotropic cytokine produced by stromal cells. It binds to a dimeric receptor complex consisting of the IL-11 Ra chain and the gp130 chain shared by the receptors for the IL-6 cytokine family. IL-11 has multiple effects on hematopoietic cells and osteoblasts.