

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat IL-12/IL-23 p40 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with human or mouse p40 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 319429
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0-derived recombinant rat IL-23 heterodimer Leu20-Ala196 of p19 Accession #Q91Z84 and Met23-Ser335 of p40 Accession #NP_072133
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 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 Rat IL-12/IL-23 p40 under non-reducing conditions only

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	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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-12 and IL-23 are disulfide-linked heterodimers consisting of a p40 subunit that is common to both cytokines and a unique subunit, p19 in IL-23 or p35 in IL-12.