

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-24 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human IL-24 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 303308
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse IL-24 Gln27-Leu181 Accession # Q925S4.1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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 Mouse IL-24
Immunocytochemistry	8-25 µg/mL	Immersion fixed mouse splenocytes

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.
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

Mouse IL-24, also known as melanoma differentiation-associated gene 7 (MDA-7) and Th2-specific cytokine FISP, is a 27 kDa secreted glycoprotein that is a member of the IL-10 family. It is synthesized as a precursor with a large pro-region that is removed to generate a 155 aa mature protein. Mature mouse IL-24 shares 84% and 69% amino acid identity with rat and human IL-24, respectively.