

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-24 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 Arg27-His181 Accession # NP_444325
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.

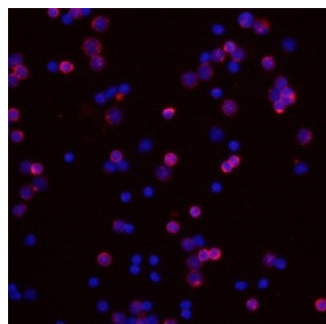
APPLICATIONS

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 Mouse IL-24
Immunocytochemistry	8-25 µg/mL	See Below

DATA

Immunocytochemistry



IL-24 in Mouse Splenocytes. IL-24 was detected in immersion fixed mouse splenocytes using Rat Anti-Mouse IL-24 Monoclonal Antibody (Catalog # MAB2786) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the Northern-Lights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Non-adherent Cells](#).

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. 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.