

Human IL-12 Rβ2 Antibody

Monoclonal Mouse IgG_{2A} Clone # 622509 Catalog Number: MAB19591

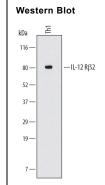
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human IL-12 Rβ2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human IL-12 Rβ1 or recombinant mouse IL-12 Rβ1 is observed.		
Source	Monoclonal Mouse IgG _{2A} Clone # 622509		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-12 Rβ2 Lys24-Cys622 Accession # Q99665		
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	2 μg/mL	See Below

DATA



Detection of Human IL-12 R β 2 by Western Blot. Western blot shows lysates of human CD4+ in vitro differentiated Th1 cells. PVDF Membrane was probed with 2 μ g/mL of Mouse Anti-Human IL-12 R β 2 Monoclonal Antibody (Catalog # MAB19591) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for IL-12 R β 2 at approximately 80 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

 Reconstitution
 Sterile PBS to a final concentration of 0.5 mg/mL.

 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

IL-12 R β 2 is a type I cytokine receptor family protein that associates with IL 12 R β 1 to form a functional high affinity receptor complex for IL-12. The extracellular region of IL 12 R β 2 contains five fibronectin type 3 domains. The cytoplasmic region is alternatively spliced, giving rise to two isoforms. IL-12 R β 2 is up-regulated in Th1 cells during inflammatory responses. The extracellular regions of human and mouse IL-12 R β 2 share 69% amino acid sequence identity.

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