

DESCRIPTION

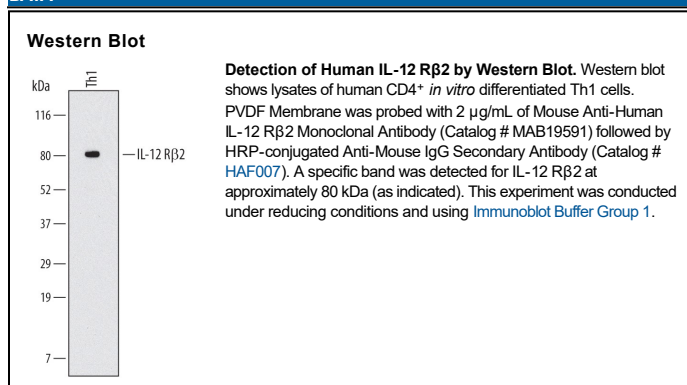
Species Reactivity	Human
Specificity	Detects human IL-12 R β 2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human IL-12 R β 1 or recombinant mouse IL-12 R β 1 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 622509
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human IL-12 R β 2 Lys24-Cys622 Accession # Q99665
Formulation	Lyophilized from a 0.2 μ m 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 μ m 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 μ g/mL	See Below

DATA



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. <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 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.