

IL12a

Goat Anti-Mouse IL-12 pAb

Catalog No.	CPI144	Quantity:	100 µg
Alternate Names:	Interleukin-12 subunit alpha, IL-12A, IL-12 p35, Cytotoxic lymphocyte maturation factor 35 kDa subunit, CLMF p35		
Description:	Interleukin 12 (IL-12), also known as natural killer cell stimulatory factor (NKSF) or cytotoxic lymphocyte maturation factor (CLMF), is a heterodimeric pleiotropic cytokine made up of a 40 kDa (p40) subunit and a 35 kDa (p35) subunit. The IL-12 p40 subunit is shared by IL-23, another heterodimeric cytokine that has biological activities similar to, as well as distinct from, IL-12. IL-12 is produced by macrophages and B cells and has been shown to have multiple effects on T cells and natural killer (NK) cells. While mouse IL-12 is active on both human and mouse cells, human IL-12 is not active on mouse cells.		
UniProt ID:	P43431		
Specificity:	Recognizes mouse IL12		
Immunogen:	Recombinant mouse IL-12, >98% purity		
Isotype:	Goat IgG		
Formulation:	Lyophilized from PBS, pH 7.4		
Purification:	Immobilized mIL-12 affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to the vial to fully solubilize the antibody to a concentration 0.1 - 1.0 mg/ml.		
Applications:	Neutralization: ND ₅₀ = 0.012 - 0.2 µg/ml, half-maximal inhibition of murine IL-12 at 0.3 ng/ml ELISA: recommended concentration of this pAb ≥ 0.5 µg/ml to detect rmIL-12 at 0.2 - 0.4 ng/ml, 100 µl/well. Western blot: recommended concentration of this pAb at 0.1 - 0.2 µg/ml to detect rmIL-12 at 1.5 - 3.0 ng/lane under reducing or non-reducing conditions.		
Storage & Stability:	Lyophilized antibody is stable for one year at -20°C to -80°C. Reconstituted antibody is stable for two weeks at 2-8°C. It is recommended to store aliquots of stock solution at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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