

Recombinant Mouse IL12

Catalog No.	CRI247B	Quantity:	10 µg
Alternate Names:	Interleukin 12, IL-12, CLMF, CLMF2, IL12A, IL12B, NKSF, NKSF1, NKSF2, TSF		
Description:	Interleukin 12 is a regulatory protein produced by activated B lymphocytes and macrophages. The biological activities of IL12 include the stimulation of growth of activated CD4 ⁺ and CD8 ⁺ T cells and NK cells. Human IL12 also promotes the development of proinflammatory/Th1-like CD4 ⁺ cells and cytotoxic CD8 ⁺ T cells. Mouse IL12 is a disulfide linked heterodimeric protein with a molecular weight of 75 kDa, comprised of disulfide-bonded 35 kDa (p35) and 40 kDa (p40) subunits.		
Source:	CHO cells		
Molecular Weight:	75.0 kDa		
Formulation:	Lyophilized from PBS, pH 7.2.		
Purity:	> 98% as determined by SDS-PAGE analysis		
Endotoxin Level:	< 0.1 ng/µg of IL12		
Biological Activity:	Determined by the stimulation of IFN-gamma production by mouse splenocytes co-stimulated with IL18. The ED ₅₀ is < 0.1 ng/ml.		
Specific Activity:	≥ 1 x 10 ⁷		
Reconstitution:	Centrifuge vial prior to opening. First add PBS to the vial to fully solubilize the protein to a concentration > 0.2 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous buffers.		
Storage & Stability:	Store lyophilized protein at -20°C. Reconstituted protein is stable for 3 months in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

