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## Recombinant Murine IL-12

**Description:** Murine Interleukin-12 (IL-12) is a regulatory protein produced by activated B lymphocytes and macrophages. The biological activities of IL-12 include the stimulation of growth of activated CD4+ cells and cytotoxic CD8+T cells and NK cells. Murine IL-12 also promotes the development of proinflammatory / Th1-like CD4+ cells and cytotoxic CD8+ T cells. Murine IL-12 is a disulfide linked heterodimeric protein with a molecular weight of 70 kDa comprised of disulfide-bonded 35 kDa (p35) and 40kDa (p40) subunits.

<b>Source:</b>	CHO cells
<b>Molecular Weight:</b>	75 kDa
<b>Purity:</b>	> 95% (SDS-PAGE; HPLC)
<b>Endotoxin level:</b>	< 0.1 ng/µg of IL-12
<b>Stabilizer:</b>	none
<b>Formulation:</b>	lyophilized

**Biologically Activity:** Determined by the stimulation of IFN-g production by murine spenocytes co-stimulated with IL-12. The expected ED<sub>50</sub> for this effect is 0.1 ng/ml.

**Reconstitution:** The lyophilized murine IL-12 is soluble in most aqueous buffers. Reconstitute the lyophilized IL-12 in 1 x PBS pH 6.3-6.5 to a concentration of 0.2 mg/ml. This solution can be stored at -20°C for future use. For most in vitro applications, IL-12 exerts its biological activity in the concentration range of 1.0 to 10.0 ng/ml.

**Stability:** The lyophilized protein, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted murine IL-12 should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

**Usage:** Murine IL-12 is offered for research use. Not for drug use. **Not for human use.**

<b>Catalogue number:</b> M10-021	<b>Size:</b> 10 µg
	<b>Range:</b> 1.0-10.0 ng/ml

**\*\* please note: always centrifuge product before opening vial \*\***