

RECOMBINANT MOUSE INTERLEUKIN-12

CATALOG NUMBER:	IL032
LOT NUMBER:	XXXXXXXXXX
QUANTITY:	10 µg
DESCRIPTION:	Interleukin-12 (IL-12) is a regulatory protein produced by activated B lymphocytes and macrophages. Mouse IL-12 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 (506 total amino acid residues).
SOURCE:	<i>CHO Cells (Chinese Hamster Ovarian Cells)</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/ug) of IL-12.
ACTIVITY:	Chemicon's mouse IL-12 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent stimulation of IFN-gamma production by murine splenocytes co-stimulated with IL-12 is ≤ 0.1 ng/mL, corresponding to a specific activity of $\geq 1.0 \times 10^7$ units/mg.
PRESENTATION:	Sterile filtered and lyophilized from 0.5x PBS, pH 7.2
STORAGE/HANDLING:	The lyophilized IL-12, though stable at room temperature, is best stored at -20°C. After a quick spin, reconstitute in 1x PBS, pH 7.2-7.4 to a concentration greater than 0.2 mg/mL. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use. Reconstituted IL-12 should be stored in undiluted aliquots at -20°C.

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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