

## Recombinant Rat Interleukin-12 (IL-12)

**CATALOG #:** 4163-10 10 µg  
4163-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** Baculovirus

**PURITY:** >95% by SDS-PAGE and HPLC analyses  
Endotoxin level is <0.1 ng per µg of IL-12.

**MOL. WEIGHT:** 70 kDa

**FORM:** Lyophilized from 1 mg/ml solution with no additives.

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-0.5 mg/ml (Note: Gently pipetting to dissolve). The solution can be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized IL-12 is best-stored desiccated below 0°C. Reconstituted IL-12, should be stored at working aliquots at -20°C.

### DESCRIPTION:

The recombinant rat IL-12 produced from Sf9 insect cells is a glycosylated disulfide linked heteromeric polypeptide containing 503 amino acids and having a molecular weight of 70 kDa comprised of disulfide-bonded 35 kDa and 40 kDa subunits.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> range is 0.01-0.05 ng/ml, as determined by the dose-dependent secretion of IFN-gamma from PHA and IL-12 activated mouse splenocytes that has been co-stimulated with PMA. Optimal concentration for individual application should be determined by a dose response assay.

**USAGE:** For Research Use Only! Not to be used in humans.

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