BioLegend
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Product Data Sheet

Recombinant Mouse IL-2 (carrier-free)

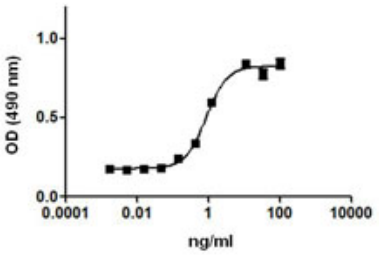
Catalog # / Size: 575402 / 10 µg
575404 / 25 µg
575406 / 100 µg
575408 / 500 µg

Source: Mouse IL-2, amino acids Ala21-Gln169 (Accession # NM_008366) was expressed in *E. coli.*

Molecular Mass: The 150 amino acid N-terminal methionylated recombinant protein has a predicted molecular mass of 17,231 Da. The DTT-reduced protein and non-reduced protein migrates at approximately 18kDa by SDS-PAGE.

Purity: Purity is >98%, as determined by Coomassie stained SDS-PAGE.

Endotoxin Level: Endotoxin level is <0.1 EU/µg (<0.01ng/µg) protein as determined by the LAL method.



HT-2 cell proliferation induced by mouse IL-2.

Activity: The ED_{50} is 0.10-0.40 ng/ml, corresponding to a specific activity of 2.5 - 10 x 10^6 units/mg, as determined by a dose dependent stimulation of HT-2 cells.

Preparation: 10-100µg sizes are bottled at 200µg/ml. 500µg and larger sizes are bottled at the concentration indicated on the vial.

Formulation: 0.22 µm filtered protein solution is in 5mM NaH_2PO_4, 5mM citric acid, 350mM NaCl, pH 4.0, 1mM DTT.

Storage: Unopened vial can be stored at -20°C for six months or at -70°C for one year. For maximum results, quick spin vial prior to opening. Stock solutions should be prepared at no less than 10µg/mL in buffer containing carrier protein such as 1% BSA or HSA or 10% FBS. For long term storage, aliquot into polypropylene vials and store in a manual defrost freezer. **Avoid repeated freeze/thaw cycles.**

Applications:

Applications: Bioassay

Recommended Usage: Use when high specific biological activity is required.

Application References:
1. Detanico T, *et al.* 2011.*J. Immunol.* 187:82. PubMed
2. Malu DT, *et al.* 2011. *J. Immunol.* 186:6271. PubMed
3. Alcaide P, *et al*. 2012. *J. Immunol*. 188:1421. PubMed

Description: IL-2 is a potent lymphoid cell growth factor which exerts its biological activity primarily on T cells. Additionally, IL-2 has been found to stimulate growth and differentiation of B cells, NK cells, LAK cells, monocytes, and oligodendocytes.

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