www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

IL 2 Mouse, His

Catalog #:CYPS-631

For research use only.

Description: Interleukin-2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (21-169 a.a) and having a molecular mass of 19.5kDa. The mouse IL-2 is fused to a 20 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

Synonyms: Interleukin-2, T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2, Il2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAPTSSSTSS STAEAQQQQQ QQQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSDNTFE CQFDDESATV VDFLRRWIAF CQSVISTSPQ.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The Mouse IL2 protein (0.5mg/ml) is supplied in Phosphate Buffered Saline (pH7.4)0.1M NaCl, and 20% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
IL2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which sµggests an essential role of this gene in the immune response to antigenic stimuli.

Biological Activity:
Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is

To place an order, please Click HERE.

© 2015 NeoScientific

Copyrights @ 2013 NEO Group 245 First Street, 18th Floor, Cambridge MA 02142 888.754.5670 (toll-free)
Request a CATALOG CLICK HERE