

Certificate of Analysis

Product: Mouse IL-2, chiMAX Fc Fusion Protein

Catalog Number: MIL2-FC

Description: Interleukin-2 (IL-2) is a O-glycosylated four alpha-helix bundle cytokine that is produced by T-cells in response to antigenic or mitogenic stimulation. IL-2 can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells and is required for T-cell proliferation and other activities crucial to regulation of the immune response.

This chiMAX Fc Fusion Protein is glycosylated and expressed as a chimera with the Fc region of mouse immunoglobulin. Fc fusion proteins are typically more stable and resistant to degradation and clearance than native cytokines. Fc fusion proteins appear as a dimer in SDS-PAGE under non-reducing conditions.

Recommended Storage: -70 C

Shipping Conditions: Cold pack

Minimum Shelf Life: 12 months from delivery

Purity: >98% by SDS-PAGE analysis

Source: Insect cell culture

Molecular Weight: 43,000

Extinction Coefficient: 0.9

Lot Number: MIL2-FC-SAMPLE

Aliquot: 1 x 0.05 mg

Concentration: Lyophilized

Volume: 0.025 ml before lyophilization

Specific activity: ED50 < 5 ng/ml as determined in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells.

Buffer: PBS, 0.1% BSA

Form: Lyophilized powder

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