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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Recombinant Mouse IL-6 Animal Free

CLY200-02AF-2UG
CLY200-02AF-10UG
CLY200-02AF-100UG
CLY200-02AF-500UG
CLY200-02AF-1MG

Alternate Names: IFN- β 2, B-cell Differentiation Factor, BSF-2, HSF, MGI-2

Description: Interleukin 6 (IL-6) is a cytokine that is expressed by T cells, macrophages, and muscle cells. IL-6 acts to stimulate an immune response upon infection or trauma. IL-6 has both pro-inflammatory and anti-inflammatory functions, is capable of promoting fever, and signals through the cell-surface type I cytokine receptor complex containing the IL-6Ra and gp130 chains. Human IL-6 is active on mouse and rat cells.

Presentation: 2 μ g, 10 μ g, 100 μ g, 500 μ g or 1 mg, sterile filtered white lyophilized (freeze-dried) powder. Recombinant mouse IL-6 is lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).

Source: Genetically modified *E.coli*. This product is produced with no animal or human origin raw products. All processing and handling employs animal free equipment and animal free protocols.

MW: Monomer, 21.9 kDa (188 aa).

Reconstitution: Sterile 10 mM HCl at 0.1 mg/mL. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

Stability: 12 months from date of receipt when stored at -20 to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20 to -80°C after reconstituting as directed.

Purity: Typically \geq 95% as determined by reducing and non-reducing SDS-PAGE.

Endotoxin Level: Typically \leq 1 EU/ μ g protein (50% confidence range).

Biological Activity: The activity can be determined by dose-dependent induction of B9 cell proliferation, ED₅₀ \leq 50 pg/mL ($\geq 2.0 \times 10^7$ units/mg).

AA Sequence:

MFPTSQVRRG DFTEDTTPNR PVYTTSQVGG LITHVLWEIV EMRKELCNGN SDCMNNDDAL
AENNLKLP EIQRNDGICYQTG YNQEICLLKI SSGLLEYHSY LEYMKNLKD NKKDKARVLQ
RDTETLIHIF NQEVKDLHKI VLPTPISNAL LTDKLESQKE WLRTKTIQFI LKSLEEFKLV TLRSTRQT

Laboratory Reagent For Research Use Only

MW 02/11/20

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