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DA3547 Recombinant Human Interleukin-6 (IL-6)

Alternate names: B-cell stimulatory factor 2, BSF-2, CDF, CTL differentiation factor, Hybridoma growth factor, IFNB2, IL-6, Interferon beta-2

Quantity: 20 µg

Background: Interleukin-6 (IL-6) is a potent lymphoid cell growth that affects B lymphocytes, T-lymphocytes and hybridoma cells. It will also a affect cytotoxic T-cells in combination with other factors such as IL-2 and gamma-interferon.

Uniprot ID: P05231

NCBI: 9606

GeneID: 3569

Species: Human

Source: E. coli

Format:
State: Lyophilized purified protein.
Purity: ›98% pure by RP-HPLC, Anion-exchange FPLC, Silverstain.
Buffer System: PBS
Stabilizers: None
Endotoxin Level: ‹ 0.1 ng per µg (IEU/µg) of rh IL-6
Reconstitution: The lyophilized IL-6 is soluble in water and most aqueous buffers. It should be reconstituted in water to a concentration not less than 0.1 mg/ml.
This solution can then be stored at 2-8°C for future use or diluted into other buffered solutions. Further dilutions should be made into buffer containing carrier protein or medium containing serum.

Description: Recombinant human IL-6 produced in E. coli is a single, non-glycosylated polypeptide containing 184 amino acid residues.
Biological Activity: The ED50 as determined by dose-dependent stimulation of murine hybridoma B9 cells is in the range of 2-10 pg/ml.
Molecular weight: 21 kDa

Storage: The lyophilized IL-6, although stable at room temperature for 3 weeks, is best stored desiccated at -20°C.
Reconstituted Il-6 should be stored in working aliquots at -20°C.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.