IL-6 (human), (recombinant)

Interleukin 6 (IL-6) is an important pro-inflammatory and anti-inflammatory cytokine expressed by T cells, macrophages and muscle cells. IL-6 signals through a receptor complex containing two receptors, IL-6Rα and gp130. IL-6 has an important function in promoting fever and can serve to stimulate an immune response to trauma. IL-6 is often used for growth of hybridoma cell lines. Human IL-6 is active on mouse and rat cells.

Citations: 2 View Online »

Ordering Information

Order Online »

ALX-201-818-0020	20µg

Manuals, SDS & CofA

View Online »

- Carrier-free

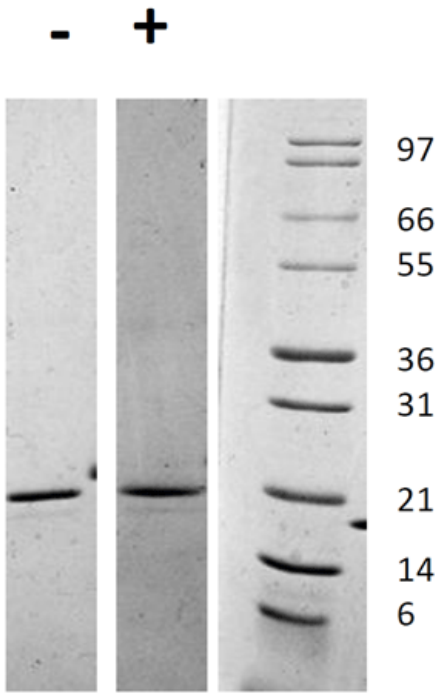


Figure 1: 1µg in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% TRIS-Glycine gel, stained with Coomassie Blue. Human IL-6 has a predicted MW of 20.9 kDa.

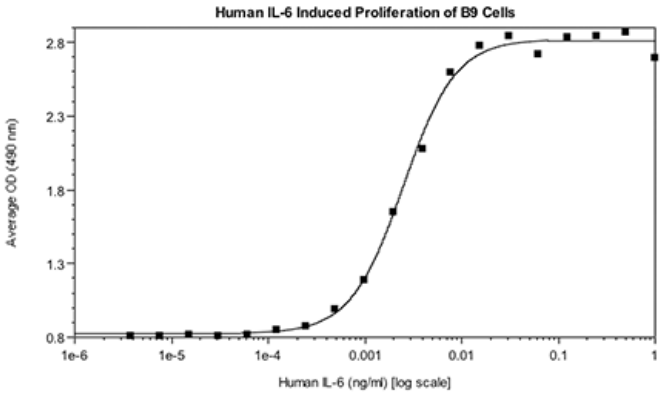


Figure 2: B9 cells were cultured with dilutions of Human IL-6. Cell proliferation can be measured and the linear portion of the curve can be used to calculate the ED50.

Handling & Storage

Use/Stability	Add 0.1% BSA for long term storage.
Handling	Store at -80°C after reconstitution
Long Term Storage	-80°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Interleukin-6, IFN-β2, B-cell differentiation factor, BSF-2, HSF, MGI-2
Appearance	White lyophilized (freeze-dried) powder.
Biological Activity	≤0.025 ng/mL. The ED50 determined by B9 cell proliferation assay
Endotoxin Content	≤1 EU/µg using USP /EP 2.6.14
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10mM sodium phosphate, pH 7.5.
MW	~21kDa
Purity	≥97% using Coomassie Staining
Reconstitution	Sterile water at 0.1 mg/mL
Source	Produced in *E. coli*. Non-glycosylated protein, containing 184 amino acids.
UniProt ID	P05231

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