

Human CellExp™ IL-6, Human Recombinant

CATALOG NO:	6464-10	10 µg
	6464-50	50 µg
	6464-250	250 µg
	6464-1000	1 mg
ALTERNATE NAMES:	BSF-2, CDF, IFN-beta-2	
SOURCE:	HEK 293 cells (Val 30 - Met 212)	
PURITY:	> 90% by SDS-PAGE	
MOL. WEIGHT:	This protein is fused with polyhistidine tag at the C-terminus and has a calculated MW of 22.8 kDa (30-212aa). Under reducing conditions the protein migrates as ~23-29 kDa bands in SDS-PAGE.	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS pH 7.4	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water.	
DESCRIPTION:	Interleukin-6, also known as IL-6, is a 23 kDa cytokine secreted by T-cells and macrophages to regulate immune response. IL-6 stimulates inflammation and plays important role in auto-immune diseases. Anti-IL6 immunotherapy has been proven to treat auto-immune diseases such as arthritis and Castleman's disease.	
BIOLOGICAL ACTIVITY:	TF-1 cells were stimulated with human recombinant IL-6 for 36 hrs and cell proliferation was measured using the BioVision Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302). EC ₅₀ <0.7 ng/mL	

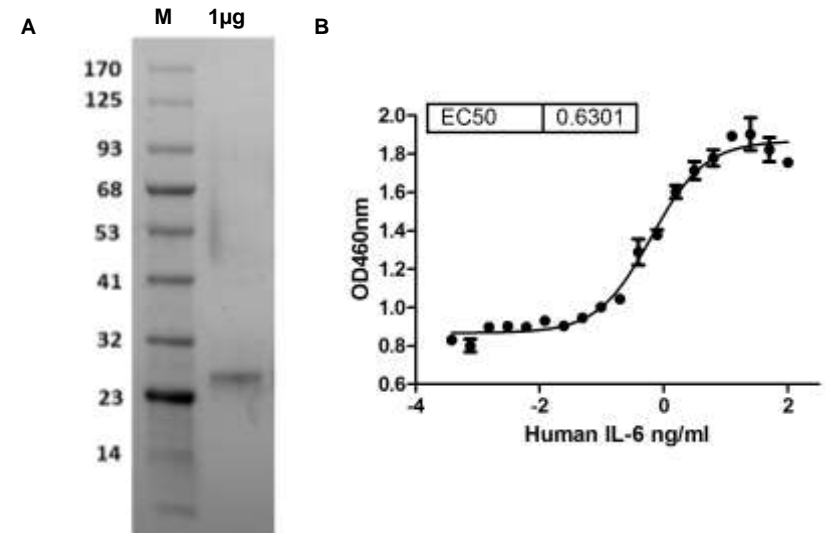


Fig. A. SDS-PAGE (4-20%) of Recombinant Human IL-6 (Left): Human IL-6 recombinant protein loaded under reducing conditions and stained with Coomassie Blue.

Fig. B. Biological activity of recombinant human IL-6 to stimulate TF-1 cell growth (Right): TF-1 cells were stimulated with human recombinant IL-6 for 36 hrs and cell proliferation was measured using the BioVision Quick Cell Proliferation Colorimetric Assay Kit Plus (Cat. No. K302). EC₅₀ <0.7 ng/mL

RELATED PRODUCT:

- IL-6, human recombinant (Cat. No. 4143)
- IL-6, murine recombinant (Cat. No. 4144)
- IL-6, rat recombinant (Cat. No. 4145)
- IL-6 Antibody (Cat. No. 5143)
- IL-6 Antibody (Cat. No. 5144)
- IL-6 Antibody (Cat. No. 5145)

FOR RESEARCH USE ONLY! Not to be used on humans.