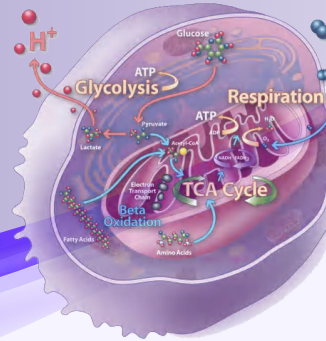




ELK Biotechnology

# ELK Biotechnology Cytokine Proteins

Cytokines are small proteins or peptides secreted by immune and non-immune cells. They act as signaling molecules between cells and play a central role in immune regulation, inflammatory responses, hematopoiesis, tissue repair, and development. Research on cytokines provides a scientific foundation for the prevention, diagnosis, and treatment of diseases in clinical practice.



## ELK Biotechnology® Key Features of Cytokine Proteins



### High Purity

Protein purity >95%



### Low Endotoxin

As low as <0.01 EU/μg



### Wide Variety

Covering interleukins, growth factors, interferons, chemokines, and more



### Animal-Origin Free

High Consistency  
Excellent batch-to-batch reproducibility

## ELK Biotechnology® Applications of Recombinant Proteins

01

Supporting Research: Facilitate studies in tumor immunology and regenerative medicine.

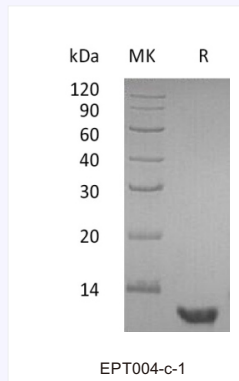
02

Drug Discovery & Screening: Serve as target proteins for pharmaceutical research and screening assays.

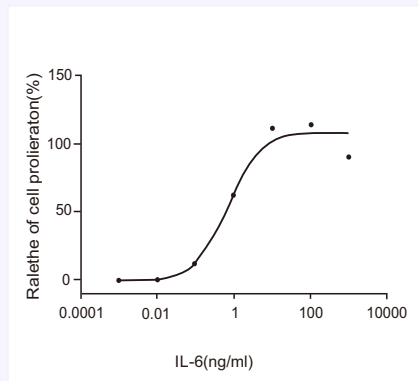
03

Standards & Controls: Act as quantitative standards and quality controls for detection methods such as ELISA, flow cytometry, and protein microarrays.

## ELK Biotechnology® Featured Cytokine Products



High protein purity



High protein activity



Protein

## ELK Biotechnology® Recommended Protein Types

ELK Biotechnology offers approximately 300 types of cytokines, covering most common research areas in humans, mice, and rats.

### 01 Interleukins

Catalog No	Product Name	Catalog No	Product Name	Catalog No	Product Name
EPT011	Recombinant Human IL-2	EPT034	Recombinant Human IL-23R (C-6His)	EPT054	Recombinant Human IL-33
EPT012	Recombinant Human IL-15	EPT035	Recombinant Mouse IL-4	EPT058	Recombinant Human IL-4(Mammalian)
EPT013	Recombinant Human IL-7	EPT039	Recombinant Human IL-1b	EPT076	Recombinant Human EDIL3 (C-6His)
EPT026	Recombinant Mouse IL-2	EPT053	Recombinant Human IL-17A	EPT090	Recombinant Rat IL-2 (C-6His)
EPT096	Recombinant Mouse IL-6	EPT132	Recombinant Human IL-15RA&IL-15 (C-Fc)	EPT147	Recombinant Human IL-2 (aldesleukin)
EPT107	Recombinant Human IL-23 (C-6His)	EPT134	Recombinant Mouse IL-1R2 (C-6His)	EPT148	Recombinant Mouse IL-22 (C-mFc)
EPT115	Recombinant Human IL-25 (C-6His)	EPT139	Recombinant Human IL-4 (E. coli)	EPT155	Recombinant Human IL-6
EPT127	Recombinant Human IL-1R1 (C-6His)	EPT141	Recombinant Human TRAIL	EPT169	Recombinant Human APRIL(N-Flag-His)
EPT173	Recombinant Mouse IL-10	EPT207	Recombinant Mouse IL-17A (C-6His)	EPT246	Recombinant Human IL-2 (C-6His)
EPT177	Recombinant Human IL-3 (N-6His)	EPT228	Recombinant Mouse IL-12	EPT247	Recombinant Human IL-4 (C-6His)
EPT183	Recombinant Mouse IL-23	EPT242	Recombinant Human IL-13 (C-Fc)	EPT252	Recombinant Mouse IL-4 (C-6His)
EPT271	Recombinant Human IL-12RB1 (C-Fc)	EPT303	Recombinant Human IL-21	EPT318	Recombinant Human IL-22
EPT295	Recombinant Human IL-10	EPT317	Recombinant Human IL-22 (E. Coli)	EPT320	Recombinant Mouse IL-1b

### 02 Growth Factors

Catalog No	Product Name	Catalog No	Product Name	Catalog No	Product Name
EPT001	Recombinant Human IGFBP-5 (C-6His)	EPT044	Recombinant Human FGFb (157AA)	EPT091	Recombinant Human IGF-I (67AA)
EPT004	Recombinant Human EGF	EPT048	Recombinant Human LAP (TGF-beta 1)	EPT097	Recombinant Human EGFR (C-6His)
EPT005	Recombinant Human TGF-beta 1	EPT063	Recombinant Rat VEGF 164	EPT112	Recombinant Mouse LR3-IGF-1 (C-6His)
EPT007	Recombinant Human FGFb(K128N)	EPT077	Recombinant Human LR3-IGF-1	EPT120	Recombinant Mouse FGFb
EPT029	Recombinant Human VEGF165	EPT078	Recombinant Human FGFb (146AA)	EPT121	Recombinant Mouse HGF (C-6His)
EPT032	Recombinant Mouse EGF (C-6His)	EPT082	Recombinant Human HGF (C-6His)	EPT122	Recombinant Rat FGFb
EPT144	Recombinant Human/Mouse FGF-8b	EPT195	Recombinant Human TGF-beta 2	EPT213	Recombinant Human VEGF-D (C-6His)
EPT170	Recombinant Mouse VEGF 164	EPT197	Recombinant Human PDGF-BB	EPT223	Recombinant Mouse/Rat TGF-beta 1
EPT176	Recombinant Human FGFa (140AA)	EPT203	Biotinylated Human TGF-beta 1 (N-Avi)	EPT240	Recombinant Human FGF-4 (136AA)
EPT180	Recombinant Human EGFR (C-Fc)	EPT209	Recombinant Human FGF-8f (N-6His)	EPT250	Recombinant Mouse Beta-NGF (110AA)
EPT289	Recombinant Mouse IGFBP-7 (C-6His)	EPT293	Recombinant Mouse TGFB2 (C-6His)	EPT294	Recombinant Human IGFBP-7 (C-6His)

### 03 Interferons

Catalog No	Product Name	Catalog No	Product Name	Catalog No	Product Name
EPT095	Recombinant Mouse IFN gamma(E. coli)	EPT184	Recombinant Human IFN gamma(E. coli)	EPT239	Recombinant Human IFN alpha2a
EPT166	Recombinant Human IFN gamma	EPT205	Recombinant Human IFN alpha2b	EPT298	Recombinant Mouse IFN alpha2

### 04 Immune Cell Markers

Catalog No	Product Name	Catalog No	Product Name	Catalog No	Product Name
EPT009	Recombinant Human CD26 (C-6His)	EPT145	Recombinant Human CDSN (C-6His)	EPT231	Recombinant Human CDH11 (C-6His)
EPT023	Recombinant Human PCDH10 (C-Fc)	EPT162	Recombinant Human CD32a (H167,C-6His)	EPT243	Recombinant Human NKG2A & CD94 Heterodimer(N-8His-Flag)
EPT051	Recombinant Mouse CD5 (C-6His)	EPT216	Recombinant Mouse CD47 (C-6His)	EPT248	Recombinant Mouse CD74 (C-6His)
EPT060	Recombinant Human CD207 (N-6His)	EPT225	Recombinant Human CD45RA (C-6His)	EPT249	Recombinant Human CDH16 (C-6His)
EPT116	Recombinant Mouse CD47 (C-Fc)	EPT226	Recombinant Human CD45R0 (C-6His)	EPT262	Recombinant Human CD83 (C-Fc)
EPT267	Biotinylated Human CD3E (C-Fc-Avi)	EPT281	Recombinant Human/Cynomolgus CD28 (C-Fc)	EPT306	Recombinant Human CD5L (C-6His)

## ELK Biotechnology® Top-Selling Products

Catalog No	Product Name	Catalog No	Product Name	Catalog No	Product Name
EPT004	Recombinant Human EGF	EPT057	Recombinant Human Wnt3a	EPT199	Recombinant Human NAMPT (N-6His)
EPT005	Recombinant Human TGF-beta 1 🔥	EPT059	Recombinant Human/Mouse/Rat BMP-2	EPT212	Recombinant Human pro-BDNF
EPT007	Recombinant Human FGFb(K128N)	EPT072	Recombinant Human CST3 (Mammalian)	EPT238	Recombinant Human NT-3 🔥
EPT011	Recombinant Human IL-2 🔥	EPT075	Recombinant Human/Mouse/Rat Irisin (C-Fc)	EPT250	Recombinant Mouse Beta-NGF (110AA)
EPT029	Recombinant Human VEGF165	EPT121	Recombinant Mouse HGF (C-6His)	EPT284	Recombinant Human CHGC (C-6His)
EPT035	Recombinant Mouse IL-4 🔥	EPT143	Recombinant Human GDNF 🔥	EPT309	Recombinant Human CKMB I 🔥
EPT038	Recombinant Human TNF alpha	EPT147	Recombinant Human IL-2 (aldesleukin)	EPT310	Recombinant Human Myoglobin
EPT039	Recombinant Human IL-1b	EPT157	Recombinant Human RSP01 (C-6His) 🔥	EPT311	Recombinant Human CEA
EPT044	Recombinant Human FGFb (157AA) 🔥	EPT166	Recombinant Human IFN gamma	EPT313	Recombinant Human cTn I 🔥
EPT045	Recombinant Mouse TNF alpha	EPT187	Recombinant Human Noggin 🔥	EPT314	Recombinant Human Albumin
EPT053	Recombinant Human IL-17A 🔥	EPT192	Recombinant Human NRG1Beta (71AA)	EPT329	Recombinant Human FGF-10 🔥