

Human CellExp IL-1beta, Human recombinant protein
Human Cellexp Human Recombinant IL-1beta
Catalog # PBV10692r

Specification

Human CellExp IL-1beta, Human recombinant protein - Product info

Primary Accession [P01584](#)
Calculated MW **18 and 25 kDa, monomer, glycosylated kDa**

Human CellExp IL-1beta, Human recombinant protein - Additional Info

Gene ID **3553**
Gene Symbol **IL1B**

Other Names

Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta.

Gene Source **Human**
Source **Human 293 cell expressed**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **0.02 to 0.08 ng/ml**

Application Notes

Reconstitute in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Format

Lyophilized

Storage

-80°C; Lyophilized from a PBS solution.

Human CellExp IL-1beta, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp IL-1beta, Human recombinant protein - Images

Human CellExp IL-1beta, Human recombinant protein - Background

Interleukin-1beta is produced by activated macrophages. IL-1beta stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL1beta proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells. In comparison with the E. coli expressed protein, IL-1 beta is 50% more potent in promoting human CD4+ T cell differentiation into Th17 cells. This cytokine is produced in a serumfree, chemically defined media.

Human CellExp IL-1beta, Human recombinant protein - References

- Auron P.E.,et al.Proc. Natl. Acad. Sci. U.S.A. 81:7907-7911(1984).
March C.J.,et al.Nature 315:641-647(1985).
Clark B.D.,et al.Nucleic Acids Res. 14:7897-7914(1986).
Clark B.D.,et al.Nucleic Acids Res. 15:868-868(1987).
Nishida T.,et al.Biochem. Biophys. Res. Commun. 143:345-352(1987).