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Human CellExp IL-12, Mouse recombinant protein

NKSF, CLMF
Catalog # PBV10374r

Specification

Human CellExp IL-12, Mouse recombinant protein - Product info

Primary Accession	P43432
Calculated MW	70 kDa KDa

Human CellExp IL-12, Mouse recombinant protein - Additional Info

Gene ID	16160
Gene Symbol	IL12

Other Names
NKSF, CLMF, Cytotoxic lymphocyte maturation factor 40 kDa subunit

Gene Source	Mouse
Source	HEK 293 cells
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC; ≥95%
Recombinant	Yes
Results	0.1 ng/mL
Sequence	p35 Subunit: RVIPVSGPAR CLSQSRNLLK TTDDMVKTAR EKLKHYSCTA EDIDHEDITR DQTSTLKTCL PLELHKNESC LATRETSSTT RGSCLPPQKT SLMMTLCLGS IYEDLKMYQT EFQAINAALQ NHNHQQIILD KGMLVAIDEL MQSLNHNGET LRQKPPVGEA DPYRVKMKLC ILLHAFSTRV VTINRVMGYL SSA p40 Subunit: MWELEKDVYV VEVDWTPDAP GETVNLTCDT PEEDDITWTS DQRHGVIGSG KTLTITVKEF LDAGQYTCHK GGETLSHSHL LLHKKENGIW STEILKNFKN KTFLKCEAPN YSGRFTCSWL VQRNMDLKFN IKSSSSSPDS RAVTCGMASL SAEKVTLDQR DYEKYSVSCQ EDVTCPTAEE TLPIELALEA RQQNKYENYS TSFFIRDIIK PDPPKNLQMK PLKNSQVEVS WEYPDSWSTP HSYFSLKFFV RIQRKKEKMK ETEEGCNQKG AFLVEKTSTE VQCKGGNVCV QAQDRYYNSS CSKWACVPCR VRS

Application Notes
Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Format
Lyophilized protein

Storage

-20°C; Recombinant mouse IL-12 is lyophilized from 0.5 x PBS, pH 7.5.

Human CellExp IL-12, Mouse 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 Cytomety
- Cell Culture

Human CellExp IL-12, Mouse recombinant protein - Images

Human CellExp IL-12, Mouse recombinant protein - Background

Interleukin-12 (IL-12) is an important mediator of cellular-immunity produced by dendritic cells, macrophages and B cells when stimulated with antigen. IL-12 is involved in differentiating precursor helper T cells to Th1 and/or Th2 subtypes and promotes the production of IFN gamma and TNF alpha. Mouse IL-12 is active on human and mouse cells. Recombinant mouse IL-12 is a glycosylated, disulfide-linked heterodimer. It is containing one p35 subunit (35 kDa) and one p40 subunit (40 kDa), with a total of 506 amino acids and a molecular weight of approximately 70 kDa.

Human CellExp IL-12, Mouse recombinant protein - References

Schoenhaut D.S.,et al.J. Immunol. 148:3433-3440(1992).
Tone Y.,et al.Eur. J. Immunol. 26:1222-1227(1996).
Teuscher C.,et al.J. Immunol. 163:2262-2266(1999).
Oppmann B.,et al.Immunity 13:715-725(2000).