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IL-12p80, Human recombinant protein

NKSF, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor (CLMF), TSF, Edodekin-alp

Catalog # PBV10739r

Specification

IL-12p80, Human recombinant protein - Product info

Primary Accession	P29460
Calculated MW	80 kDa KDa

IL-12p80, Human recombinant protein - Additional Info

Gene ID	3593
Gene Symbol	IL12B

Other Names

NKSF, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor (CLMF), TSF, Edodekin-alpha, IL-12.

Gene Source	Human
Source	(BTI-Tn-5B1-4) Hi-5 Insect Cells
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	IWELKKDVYV VELDWYPDAP GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSHSLL LLHKKEDGIW STDILKDQKE PKNKTFLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAA EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS

Target/Specificity

IL-12p80

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 10 mM Sodium Acetate - pH 5.6, 90 mM NaCl, 2% Sucrose and 4.0% Mannitol.

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IL-12p80, 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 Cytomety
- Cell Culture

IL-12p80, Human recombinant protein - Images

IL-12p80, Human recombinant protein - Background

IL-12 is a disulfide-linked heterodimeric protein (p70), composed of two subunits, p35 and p40, which are encoded by two different genes. Accumulating data indicate that p40 secretion precedes that of IL-12 expression. In addition, to its ability to covalently bind to p35 to form IL-12, p40 can bind to p19 to form IL-23, or can form a homodimer designated as IL-12 p80. Elevated levels of IL-12 p80 are correlated with macrophage recruitment and increased inflammation in asthma and respiratory viral infection models. Recombinant human IL-12 p80 is an 80.0 kDa disulfide linked homodimer consisting of two p40 chains of IL-12.

IL-12p80, Human recombinant protein - References

Gubler U.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:4143-4147(1991).
Wolf S.F.,et al.J. Immunol. 146:3074-3081(1991).
Huang D.,et al.Genes Immun. 1:515-520(2000).
Hongyuan J.,et al.Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases.
Stern A.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:6808-6812(1990).