

## Human Interleukin-12 p80

<b>Alternate names:</b>	CLMF p35, Cytotoxic lymphocyte maturation factor 35 kDa subunit, IL-12 subunit p35, IL-12A, NK cell stimulatory factor chain 1, NKSF1
<b>Catalog No.:</b>	AR08001PU-S
<b>Quantity:</b>	2 µg
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P29460</a>
<b>NCBI:</b>	<a href="#">NP_000873</a>
<b>GenID:</b>	<a href="#">3593</a>
<b>Species:</b>	Human
<b>Source:</b>	High-5 Insect cells, (BTI-Tn-5B1-4)
<b>Format:</b>	<b>State:</b> Lyophilized (0.2µ Sterile filtered) purified protein <b>Purity:</b> >95% pure by SDS-PAGE gel and HPLC analyses <b>Buffer System:</b> 10mM Sodium Acetate, pH 5.6 with 90mM Sodium Chloride, 2% Sucrose and 4.0% Mannitol <b>Endotoxin Level:</b> < 0.1 ng per µg (1EU/µg). <b>Reconstitution:</b> Restore in Water to a concentration of 0.1 mg/ml.
<b>Description:</b>	Recombinant Human IL-12 p80 is an 80.0 kDa disulfide linked homodimer consisting of two p40 chains of IL-12. <b>AA Sequence:</b> <b>p40 subunit:</b> IWELKKDVYV VELDWPDPAP GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYCHK GGEVLSHSL LHKKEDGIW STDILKDQKE PKNKTFRLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGS SDPQGVTCGA ATLSAERVGR DNKEYEYSVE CQEDSACPAE EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYSSSWSEW ASVPCS <b>Molecular weight:</b> 80 kDa
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.