

## Recombinant sheep Interleukin-12 subunit beta

Catalog No: #AP72616



Package Size: #AP72616-1 20ug #AP72616-2 100ug #AP72616-3 1mg

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## Description

Product Name	Recombinant sheep Interleukin-12 subunit beta
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:23-327aaSequence Info:Full Length
Other Names	Cytotoxic lymphocyte maturation factor 40KDA subunit ;CLMF p40IL-12 subunit p40
Accession No.	P68220
Uniprot	P68220
GeneID	443472;
Calculated MW	36.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	IWELEKNVYVVELDWYPNAPGETVVLTCDTPEEDGITWTSDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGG EVLRSRLLLHKKEDGIWSTDILKDQKEPKAKSFLKCEAKDYSGHFTCSWLTAISTNLKFSVKSSRGSSDPRGV TCGAASLSAEKVSMDHREYNKYTVCEQEGSACPAAEESLPIEVVMEAVHKLKYENYSSFFIRDIIKPPKKNL QLRPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKNKREKLFDTQSAKVTCHKDANIRVQARDRY YSSFWSEWASVSCS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK,lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.Associates with IL23A to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis .

## References

Ovine interleukin 12 has biological activity on ovine and human activated peripheral blood mononuclear cells.Swinburne S.J., Russ G.R., Krishnan R.Cytokine 12:1546-1552(2000)Research Topic:Others

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Note: This product is for in vitro research use only