

Recombinant Sheep Interleukin-6(IL6)

Catalog No: #AP70443

Package Size: #AP70443-1 20ug #AP70443-2 100ug #AP70443-3 1mg

Description

Product Name	Recombinant Sheep Interleukin-6(IL6)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:30-208aaSequence Info:Full Length of Mature Protein
Accession No.	P29455
Calculated MW	47.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	GPLGEDFKNDTTPSRLLLTTPKEKTEALIKHIVDKISAIRKEICEKNDECENSKETLAENKCLKPKMEEKDGCFQS GFNQAIKLIKTTAGLLEYQIYLDLQNEFEGNQETVMELQSSIRTLIQLKEKIAGLITTPATHDTMDLEKMQSSNE WVKNKAVIIILRSLENFLQFSLRAIRMK
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 with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. Acts on B-cells, T-cells, hepatocytes, hatopoietic progenitor cells and cells of the CNS. Required for the generation of T(H)17 cells. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation .

References

Molecular cloning and characterization of a ruminant interleukin-6 cDNA.Andrews A.E., Barcham G.J., Ashman K., Meeusen E.N.T., Brandon M.R., Nash A.D.Immunol. Cell Biol. 71:341-348(1993)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.