



P90079Ov01
Interleukin 6 (IL6)
Organism: Ovis aries; Ovine (Sheep)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

1th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Interleukin 6

Gene Names: IL6

Size: 100µg

Source: Recombinant

Expression Host: *E.coli*

Function: 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. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. 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.

Subcellular Location: Secreted

[PROPERTIES]

Residues: Gly30~Lys208 (Accession # P29455), with a N-terminal His-tag.

Grade & Purity: >97%, 24.27 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.



Endotoxin Level: <1.0 EU per 1µg(determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 24.27 kDa

[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

Storage: Store at 4°C for short term storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[BACKGROUND]

The target protein is fused with a His-tag and its sequence is listed below.

MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEF-G PLGEDFKNDT TPSRLLLLTTP EKTEALIKHI
VDKISAIRKE ICEKNDECEN SKETLAENKL KLPKMEEKDG CFQSGFNQAI CLIKTTAGLL EYQIYLDFLQ
NEFEGNQETV MELQSSIRTL IQILKEKIAG LITTPATHTD MLEKMQSSNE WVKNAKVIII LRSLENFLQF
SLRAIRMK

[REFERENCES]

1. Andrews A.E., et.al. (1993) Immunol. Cell Biol. 71:341-348.
2. Mathialagan N., et.al. (1992) Mol. Reprod. Dev. 32:324-330.

