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P90079Po01
Interleukin 6 (IL6)
Organism: Sus scrofa; Porcine (Pig)
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: Pro29~Met212 (Accession # P26893), with a N-terminal His-tag.

Grade & Purity: >97%, 24.64 kDa as determined by SDS-PAGE reducing conditions.

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

Export Processing Zone, Economic & Technological Development Zone, Wuhan 430056, P.R. China
Tel: 0086-27-8425-9552 Toll-free: 0086-800-8800-687
Fax: 0086-27-8425-9551 Email: uscnk@uscnk.com

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: 24.64 kDa

[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

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

Valid period: 12 months stored at -80ºC.

[BACKGROUND]

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

MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGS-PE RLEEDAKGDA TSDKMLFTSP DKTEELIKYI LGKISAMRKE MCEKYEKCEN SKEVLAENNL NLPKMAEKDG CFQSGFNQET CLMRITTGLV EFQIYLDYLQ KEYESNKGNV EAVQISTKAL IQTLRQKGKN PDKATTPNPT TNAGLLDKLQ SQNEWMKNTK IILILRSLED FLQFSLRAIR IM

[REFERENCES]

1. Richards C., Saklatvala J. (1991) Cytokine 3:269-276.
2. Mathialagan N., et.al. (1992) Mol. Reprod. Dev. 32:324-330.

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