

PRODUCT DATA SHEET



Bioworld Technology, Inc.

IL-6 Recombinant Protein

Catalog: NCP0379

Host: E.coli

Tag: His-tag

BackGround:

Acute phase response is induced by interleukin-6 (IL-6) produced by T cells, macrophages, fibroblasts, endothelial and other cells. IL-6 induces proliferation or differentiation in many cell types including B cells, thymocytes and T cells. IL-6, in concert with TGF- β , is important for developing Th17 responses. IL-6 binds to IL-6R α and through this association induces gp130 homodimerization. gp130 homodimerization triggers the Jak/Stat cascade and the SHP-2/Erk MAP kinase cascade. IL-6 also forms a complex with an IL-6R α splice variant that is nonmembrane-associated. The IL-6/soluble IL-6R α complex can then activate the gp130 signaling pathway in cells that express gp130 but not IL-6R α . Research studies have shown that IL-6, through increasing expression of proangiogenic VEGF, may also contribute to metastatic breast cancer.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~26kDa

Swiss-Prot:

P08505

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.

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