

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



gp130 (S778) Peptide

Cat No.: BS1520P

Background

IL-6 activates intracellular signaling through binding a receptor consisting of an 80 kDa ligand-binding protein (IL-6R) and a second protein of 130 kDa. IL-6 first binds to IL-6R which subsequently associates with a gp130 dimer. The active signaling complex consists of at minimum IL-6, IL-6R and a dimer of two gp130 proteins that are linked by a disulfide bond. A soluble form of IL-6R is generated by proteolytic cleavage of the membrane-bound precursor and can function as an agonistic molecule that can actively participate in cell-to-cell signaling. The second subunit of the IL-6 complex, gp130, also functions as a component of several additional receptor complexes including leukemia inhibitory factor (LIF), oncostatin M (OSM), ciliary neurotrophic factor (CNTF) and IL-11. LIF binds to the LIF receptor with low affinity and to a complex of the LIF receptor and gp130 with high affinity, while OSM appears to bind to gp130 with low affinity and to a complex of gp130 and the LIF receptor with high affinity.

Swiss-Prot

P40189

Applications

Blocking

Specificity

This peptide can be used with studies using BS1520 gp130 (S778) pAb.

Purification & Purity

Synthetic peptide gp130 (S778). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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