



Recombinant Protein Technical Manual

Recombinant Human Interleukin6/IL6 Protein

RPES1959

Product Data:

Product SKU: RPES1959

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: AAC12732.1

Protein Information:

Molecular Mass: 13.4 kDa

AP Molecular Mass: 18 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Pro-Interleukin6; Interleukin6; IL6; Lymphocyte Chemoattractant Factor; LCF; IL16

Immunogen Information:

Sequence: Met 1-Ser130

Background:

Interleukin6 (IL6) is a CD8+ T cell-derived cytokine that induces chemotaxis of CD4+ T cells and CD4+ monocytes and eosinophils. Analysis by gel filtration suggests that, under physiological conditions, human IL6 exists predominantly as a noncovalently linked multimer, but that some IL6 may exist as a monomer. However, only the multimeric form appears to possess chemotactic activity, suggesting that receptor cross-linking may be required for activity. IL6 also induces expression of IL-2 receptor (IL-2R) and MHC class II molecules on CD4+ T cells. Human and murine IL6 show significant cross-species reactivity.