

IL6, 21-207aa, Canine, His-tag, Baculovirus

Cat.NO.: TP02646

3th Edition

Synonyms: Interleukin-6, IL6, IL-6

Description: IL6, as known as Interleukin-6, is a phosphorylated and variably glycosylated cytokine. It is secreted by T cells and macrophages to stimulate immune response during infection and after trauma, especially burns or other tissue damage leading to inflammation. Also, this protein can function as an anti-inflammatory molecule, as in skeletal muscle where it is secreted in response to exercise. Recombinant canine IL6, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 22.0kDa (195aa) 18-28kDa (SDS-PAGE under reducing conditions.)

Sequences:

FPTPGPLAGDSKDDATSNLPLTSANKVEELIKYILGKISALRKEMCDKFNKCEDSKAEALAEENLHLPKLEGKDGCF
QSGFNQETCLTRITGLVEFQLHLNILQNNEYGDKENVKSVHMSTKILVQMLKSKVKNQDEVTTTPDPTTASLQAIL
QSQDECVKHTTIHLILRSLEDFLQFSLRAVRIMLEHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.