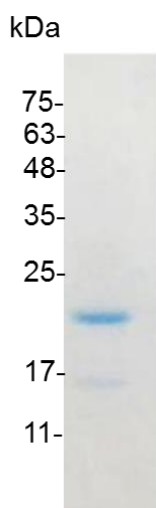


PRODUCT INFORMATION
IL-6 (Interleukin-6), Swine

| | |
|------------------------|---|
| Catalog number | C03005-5UG / C03005-20UG / C03005-100UG |
| Package | 5 µg / 20 µg / 100 µg |
| Description | Interleukin 6 (IL-6) is an interleukin that acts as both a pro-inflammatory cytokine and an anti-inflammatory myokine. In humans, it is encoded by the IL6 gene. In addition, osteoblasts secrete IL-6 to stimulate osteoclast formation. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6 as a pro-inflammatory cytokine. IL-6's role as an anti-inflammatory myokine is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10. |
| Source | <i>Escherichia coli</i> |
| Sequence | MGRLEEDAKGDATSDKMLFTSPDKTEELIKYILGKISAMRKEMCEKEYEKCENSK EVLAENNLNLPKMAEKDGCQSGFNQETCLMRITGLVEFQIYLDYLQKEYESN KGNVEAVQISTKALIQTLRQKGNPKATTPNPTTNAGLLDKLQSQNEWMKNT KIILIRSLEDFLQFSLRAIRIM with polyhistidine tag at the C-terminus |
| Endotoxin level | <0.1 EU per 1 µg of the protein by the LAL method. |
| Activity | Measure by its ability to induce proliferation in T1165.85.2.1 cells. The ED ₅₀ for this effect is <1.5 ng/mL. |
| Purity | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| Formulation | The protein was lyophilized from a solution containing 1X PBS, pH 7.4. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Storage | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C. |
| Note | Please use within one month after protein reconstitution. |



SDS-PAGE analysis of recombinant swine IL-6

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