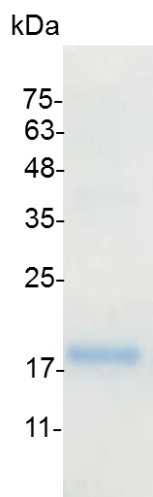


PRODUCT INFORMATION  
**IL-10 (Interleukin-10), Swine**

<b>Catalog number</b>	C03007-5UG / C03007-20UG / C03007-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Interleukin 10 (IL-10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans, interleukin 10 is encoded by the IL10 gene. IL-10 signals through a receptor complex consisting of two IL-10 receptor-1 and two IL-10 receptor-2 proteins. Consequently, the functional receptor consists of four IL-10 receptor molecules. IL-10 binding induces STAT3 signalling via the phosphorylation of the cytoplasmic tails of IL-10 receptor 1 + IL-10 receptor 2 by JAK1 and Tyk2 respectively.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MSIKSENSCIHFPTSLPHMLRELRAAFGPVKSFFQTKDQMGDLLLTGSLLLEDFK GYLGCQALSEMIQFYLEDVMPKAESDGEDIKEHVNSLGEKLTLLRRLRRCHQF LPCENKSKAVEEVKSAFSLQERGVYKAMGEFDIFINYIEAYMTMKMRKN with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.01 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce proliferation in MC/9-2 cells. The ED <sub>50</sub> for this effect is <5 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant swine IL-10

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