

PRODUCT INFORMATION
IL-1 beta (Interleukin-1 beta), Swine

Catalog number	C03002-5UG / C03002-20UG / C03002-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin 1 beta (IL-1β) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a cytokine protein that in humans is encoded by the IL1B gene. There are two genes for interleukin-1 (IL-1): IL-1 alpha and IL-1 beta (this gene). IL-1β precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1β.
Source	<i>Escherichia coli</i>
Sequence	MANVQSMECKLQDKDHKSLVLAGPHMLKALHLLTGDLKREVVFCMSFVQGDD SNNKIPVTLGIKGNLYLSCVMKDNTPTLQLEDIDPKRYPKRDMEKRFVFKTEI KNRVEFESALYPNWIYSTSQAEQKPVFLGNSKGRQDITDFTMEVLSP 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 D10.G4.1 cells proliferation. The ED ₅₀ for this effect is <3 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-1 beta

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