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IL-6

Catalog # PVGS1756

Product Information

Primary Accession	P26892
Species	Bovine
Sequence	Gly30-Lys208
Purity	≥ 95% as analyzed by SDS-PAGE
Endotoxin Level	
Expression System	P. pastoris
Theoretical Molecular Weight	20.7 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS, pH 7.4
Reconstitution	Before opening, centrifuge the vial briefly to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O up to 100 μg/ml
Storage & Stability	Upon receiving, this product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable up to 1 week at 4 °C or up to 3 months at -20 °C or below. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	280826
Other Names	Interleukin-6, IL-6, IL6
Target Background	Interleukin-6 (IL-6), also known as BSF-2, CDF and IFNB2, is a pleiotropic cytokine. IL-6 participates in both pro-inflammatory and anti-inflammatory responses. IL-6 is produced mainly by T cells, macrophages and muscle cells. It stimulates B cell differentiation and antibody production, and cell differentiation.

Protein Information

Name	IL6
Function	Cytokine with a wide variety of biological functions in immunity, tissue regeneration, and metabolism. Binds to IL6R, then the complex associates to the signaling subunit IL6ST/gp130 to trigger the intracellular IL6-signaling pathway. The interaction with the membrane- bound IL6R and IL6ST stimulates 'classic signaling', whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans-signaling'. Alternatively, 'cluster signaling' occurs when

	membrane-bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells.
Cellular Location	Secreted {ECO:0000250|UniProtKB:P05231}.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.