

PRODUCT INFORMATION

IL-23 p19 (Interleukin-23 p19), Human

Catalog number	C01028-5UG / C01028-20UG / C01028-100UG
Package	5 µg / 20 µg / 100 µg
Description	IL-23 is an important part of the inflammatory response against infection. It promotes upregulation of the matrix metalloprotease MMP9, increases angiogenesis and reduces CD8+ T-cell infiltration into tumours. IL-23 mediates its effects on both innate and adaptive arms of the immune system that express the IL-23 receptor. Th17 cells represent the most prominent T cell subset that responds to IL-23, although IL-23 has been implicated in inhibiting the development of regulatory T cell development in the intestine. Th17 cells produce IL-17, a proinflammatory cytokine that enhances T cell priming and stimulates the production of other proinflammatory molecules such as IL-1, IL-6, TNF-alpha, NOS-2, and chemokines resulting in inflammation.
Source	<i>Escherichia coli</i>
Sequence	RAVPGGSSPAWTQCQQLSQKLCTLAWSAHPLVGHMDLREEGDEETTNDVPHI QCGDGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSSLIPDSPVQQLH ASLLGLSQLLQPEGHHWETQQIPSLSPSQPWQRLLLLRFKILRSLQAFVAVAAARV FAHGAATLSP with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED ₅₀ for this effect is <0.5 ng/mL.
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
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 human IL-23 p19

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