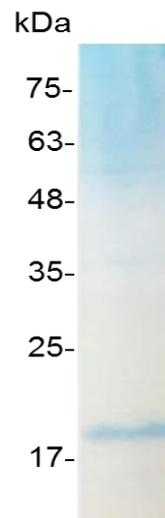


IL-19 (Interleukin-19), Human

v. 231001

Catalog number	C01024-5UG / C01024-20UG / C01024-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin 19 (IL-19) is a protein that in humans is encoded by the IL19 gene. This cytokine is found to be preferentially expressed in monocytes. It can bind the interleukin-20 receptor complex and lead to the activation of the signal transducer and activator of transcription 3 (STAT3). A similar cytokine in mouse is reported to up-regulate the expression of IL6 and TNF-alpha and induce apoptosis, which suggests a role of this cytokine in inflammatory responses. Alternatively, spliced transcript variants encoding the distinct isoforms have been described.
Source	<i>Escherichia coli</i>
Sequence	MLRRCLISTDMHHIEESFQEIKRAIQAKDTFPNVITLSTLETLQIIKPLDVCCVTKN LLAFYVDRVFKDHQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEAT NATRVIHNDNYDQLEVHAAAIKSLGELDVFLAWINKNHEVMSSA 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 BaF3 cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED ₅₀ for this effect is <1.2 ng/mL
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human IL-19

For research use only.