Recombinant Murine Interleukin-19 (rm IL-19)

Interleukin-19 is a cytokine that belongs to the IL-10 cytokine subfamily. IL-19 is found to be preferentially expressed in monocytes. It can bind the IL-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 IL-6 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**.**
Recombinant murine Interleukin-19 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 152 amino acids and having a molecular mass of 17.7 kDa.

Synonyms :	Melanoma differentiation association like protein (MDA1), IL-10C
Source:	*Escherichia coli*
AA Sequence:	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Arg-Arg-Cys
Formulation:	Lyophilisate from a 0.22 µm filtered carrier free solution in 25 mM sodium phosphate pH 6.5 + 200mM NaCl
Reconstitution:	Reconstitute in sterile endotoxin free water not less than 100 µg/ml
Stability:	The lyophilized protein is stable for at least 2 years at –20°C. Reconstituted rm IL-19 is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at –20°C. Avoid repeated freeze/thaw cycles.
Biological Activity:	Determined by measuring the dose-dependent activation of STAT3 in human epidermal keratinocytes (HEK2a cells). Significant STAT3 activation is observed with >100ng/ml of rm IL-19.
Purity:	95% (verified by SDS-PAGE / silver stain)
Endotoxicity:	The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method
Order №:	rm IL-19+Size available sizes: 2 µg, 10 µg, 50 µg

This material is offered **for laboratory research and in vitro use only**, not for drug, diagnostic or other use. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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