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32-8916: Recombinant Mouse Interleukin-23/IL-23

Gene : Il23a
Gene ID : 83430
Uniprot ID : Q9EQ14

Description

Source: Human Cells.
MW :19.7&35.8kD.
Recombinant Mouse Interleukin-23 is produced by our Mammalian expression system and the target gene encoding Val22-Ala196&Met23-Ser335 is expressed. Interleukin 23 (IL-23) is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. The p19 subunit has homology to the p35 subunit of IL-12, as well as to other single chain cytokines such as IL-6 and IL-11. The p40 subunit is homologous to the extracellular domains of the hematopoietic cytokine receptors. Although p19 is expressed by activated macrophages, dendritic cells, T cells, and endothelial cells, only activated macrophages and dendritic cells express p40 concurrently to produce IL-23. IL-23 has biological activities that are similar to, but distinct from IL-12. Both IL-12 and IL-23 induce proliferation and IFN-gamma production by human T cells. While IL-12 acts on both naive and memory human T cells, the effects of IL-23 is restricted to memory T cells.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	VPRSSSPDWAQCQQLSRNLCMLAWNAHAPAGHMNLLREEEDEETKNNVPRIQCEDGCDPQGLKDNSQFCLQ RIRQGLAFYKHLLDSDIFKGEPALLPDSPMEQLHTSLLGLSQLLQPEDHPRETQQMPSLSSSQQWQRPLLRSKIL RSLQAFLAIAARVFAHGAATLTEPLVPTA&MWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSDQR HGVIGSGKTLTITVKEFLDAGQYTCHKGGETLSHSHLLLHKKENGIWSTEILKNFKNKTFLKCEAPNYSGRFTCS WLVQRNMDLKFNIKSSSSSPDSRAVTCGMASLSAEKVTLDQRDYEKYSVSCQEDVTCPTAEETLPIELALEARQ QNKYENYSTSFFIRDIIKPDPPKNLQMKPLKNSQVEVSWEYPDSWSTPHSYFSLKFFVRIQRKKEKMKETEEGCN QKGAFLVEKTSTEVQCKGGNVCVQAQDRYYNSSCSKWACVPCRVRS

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.