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32-8594: Recombinant Mouse Interleukin-2/IL-2(Discontinued)

Gene : Il2
Gene ID : 16183
Uniprot ID : P04351

Description

Source: E.coli.
MW :17.4kD.
Recombinant Mouse Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Gln169 is expressed. Interleukin 2 (IL 2), also termed T-cell growth factor, is a member of the cytokine family which includes IL-4, IL-7, IL-9, IL-15 and IL-21. Each member of this family has a four alpha helix bundle. IL-2 signals through the IL-2 receptor, a complex consisting of tree subunits, termed alpha, beta and gamma. The IL-2 R gamma is shared by cytokine receptors of all members of cytokine family. Mature mouse ILÂ2 shares 56% and 73% aa sequence identity with human and rat ILÂ2, respectively. IL-2 is produced by CD4+ T cell, CD8+ T cells, gamma d T cells, B cells, dendritic cells and eosinophils, and plays a vital role in key function of the immune system, tolerance and immunity, primarily via its potent stimulatory activity for T cells.Thus, ILÂ2 may be a key cytokine in the natural suppression of autoimmunity.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of 20mM Sodium Citrate, 5% Trehalose, pH4.5.
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 :	MAPTSSSTSSSTAEAQQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNLKLPRMLTFKFYLPKQATELKDLQ CLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLKGSDNTFECQFDDESATVVDFLRRWIAFCQSIISTS PQ

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Biological Activity : The ED50 for this effect is typically 0.1ÃÂ0.4 ng/mL.

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