

重组小鼠白介素2(IL-2)

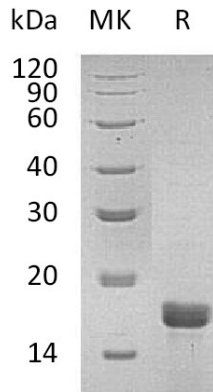
IL-2, Recombinant Mouse Interleukin-2

Cat. No.: MA1355-1 Size: 10µg

Source:	E.coli
Description:	Recombinant Mouse Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Gln169 is expressed.
Accession:	P04351
Known As:	alderleukin; interleukin 2; interleukin-2; IL-2; IL2; T-cell growth factor; T cell growth factor; TCGF
Predicted Mol Mass:	17.4 KDa
Apparent Mol Mass:	17 KDa, reducing conditions
Endotoxin:	< 0.01 EU/µg as determined by LAL test.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20mM Sodium Citrate, 0.2% Tween 80, pH 3.0.
Reconstitution:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage:	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background:	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 three subunits, termed alpha, beta and gamma. The IL-2 R gamma is shared by cytokine receptors of all members of cytokine family. Mature mouse IL2 shares 56% and 73% aa sequence identity with human and rat IL2, respectively. IL-2 is produced by CD4+ T cell, CD8+ T cells, gamma δ 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, IL2 may be a key cytokine in the natural suppression of autoimmunity.

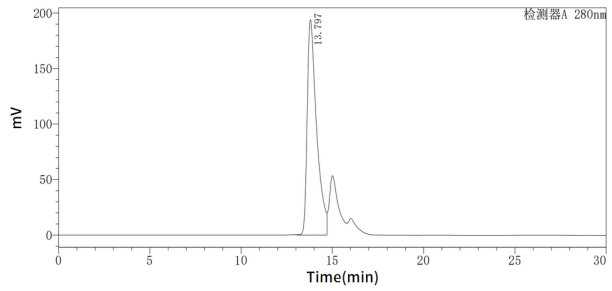


Purity-SDS-PAGE:



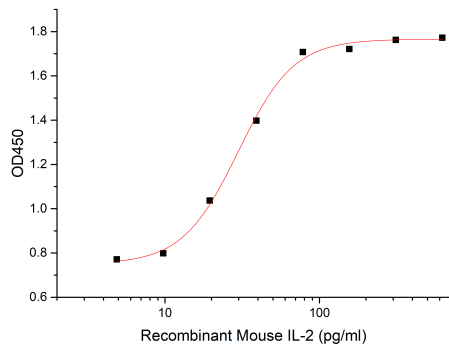
Greater than 95% as determined by reducing SDS-PAGE.

Purity-SEC-HPLC:



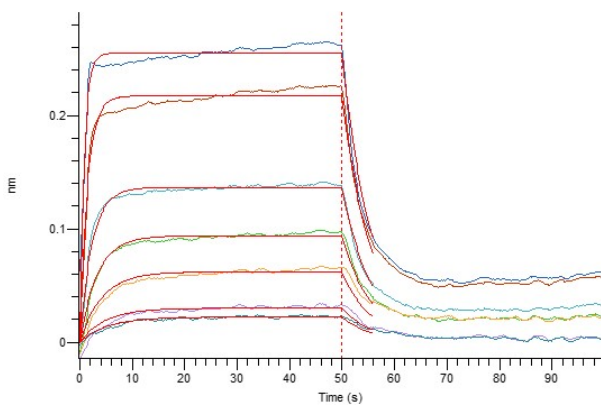
Greater than 95% as determined by SEC-HPLC. (Regularly tested)

Bioactivity-Cell Based Assay:



Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The specific activity of Recombinant Mouse IL-2 is $\geq 1 \times 10^7$ IU/mg. (QC verified)

Bioactivity-BLI:



Loaded Human IL-2RA-Fc on Protein A Biosensor, can bind Mouse IL-2 (Cat#MA1355) with an affinity constant of 0.17 μ M as determined in BLI assay.

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