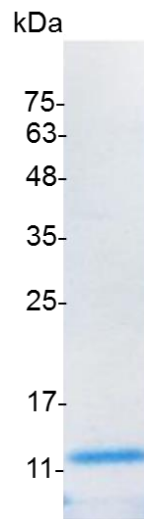


IL-5 (Interleukin-5), Mouse

v. 231101

Catalog number	C02007-5UG / C02007-20UG / C02007-100UG
Package	5 µg / 20 µg / 100 µg
Description	Interleukin 5 (IL-5) is an interleukin produced by type-2 T helper cells and mast cells. Through binding to the interleukin-5 receptor, interleukin 5 stimulates B cell growth and increases immunoglobulin secretion - primarily IgA. It is also a key mediator in eosinophil activation.
Source	<i>Escherichia coli</i>
Sequence	MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKKNHQLCIGEIFQGLDILKN QTVRGGTVEMLFQNLSLIKKYIDRQKEKCGEERRRTRQFLDYLQEFLGVMSTE WAMEG 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 TF-1 cells proliferation. The ED ₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-5 is > 5 x 10 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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 mouse IL-5

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