

RECOMBINANT HUMAN INTERLEUKIN-5

CATALOG NUMBER:	IL005
LOT NUMBER:	xxxxxx
QUANTITY:	10 µg
DESCRIPTION:	Interleukin-5 (IL-5) is a potent T-cell derived factor which stimulates the growth of certain B-cells and the differentiation of eosinophils. Human IL-5 is a 26 kDa dimeric protein containing two 116 amino acid chains.
SOURCE:	<i>E. coli</i>
PURITY:	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg (1EU/µg) of IL-5.
ACTIVITY:	Human IL-5 is fully biologically active when compared to standards. The ED ₅₀ as determined by the dose-dependent proliferation of TF-1 cells was ≤ 0.15 ng/mL, corresponding to a specific activity of > 6.6 x 10 ⁶ units/mg.
PRESENTATION:	Lyophilized from 20 mM Sodium Phosphate, pH 7.5.
STORAGE/HANDLING:	The lyophilized powder, though stable for a few weeks at room temperature, is best stored at -20°C for up to 12 months after date of receipt. After a quick spin, reconstitute in water to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or -20°C for future use. Reconstituted IL-5 should be stored in undiluted aliquots at -20°C for up to six months.

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