IL5
Recombinant Human IL-5

Catalog No.	CRH313A	**Quantity:**	2 µg
	CRH313B		100 µg
	CRH313C		1 mg

Alternate Names: B-cell differentiation factor I, Eosinophil differentiation factor, TRF

Description: Interleukin 5 (IL-5) is a hematopoietic growth factor that is expressed in type 2 T helper (Th2) cells, mast cells, and eosinophils. IL-5 acts through the IL-5 receptor (IL-5R), stimulates B cell growth, and mediates eosinophil activation. Human and mouse IL-5 show cross-reactivity

Gene ID: 3567

UniProt ID: P05113

Source: *E. coli*

Molecular Weight: Dimer, 13.3/26.2 kDa (116/232 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 10 mM sodium glycinate, pH 8.5

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: ED50 ≤ 250 pg/ml, determined by inducing dose-dependent TF-1 cell proliferation.

Specific Activity: ≥ 4.0 x 10^6 U/mg

Amino Acid Sequence: MIPTEIPTSA LVKETLALLS THRTLLIANE TLRIPVPVHK NHQLCTEEIF QGIGTLESQT VQGGTVERLF KNLSLIKKYI DGQKKKCGEE RRRVNQFLDY LQEFLGVMNT EWIIES

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. **Avoid repeated freeze-thaw cycles.**

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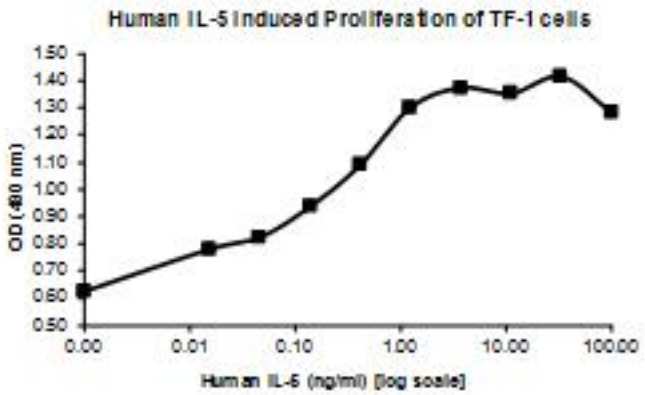

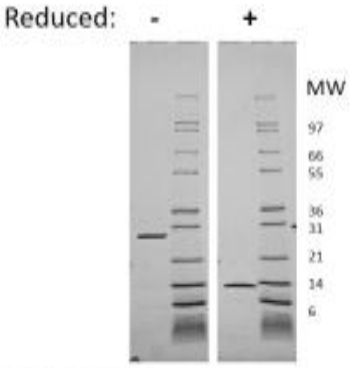

Human IL-5

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with

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