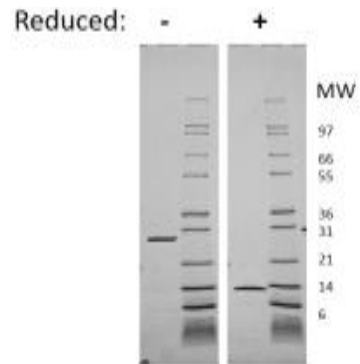
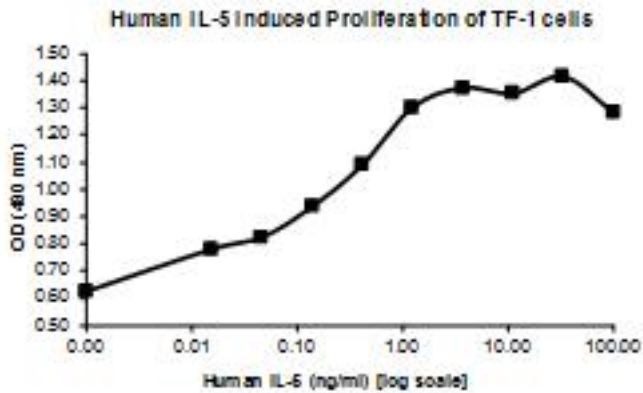


IL5

Recombinant Human IL-5, Animal Free

Catalog No.	CRH313A-AF CRH313B-AF CRH313C-AF	Quantity:	2 µg 100 µg 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:	<i>E. coli</i> Manufactured without Animal-derived products, in an Animal Free facility.		
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:	ED ₅₀ ≤ 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 THRTLIIANE 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.		



Human IL-5

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

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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