

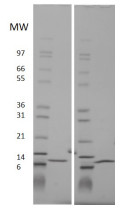
IL13

Recombinant Human Interleukin-13

Catalog No.	CRH064A CRH064B CRH064C	Quantity:	2 µg 10 µg 1 mg
Alternate Names:	ALRH, BHR1, IL-13, NC30		
Description:	Interleukin-13 (IL-13) is an important cytokine secreted from Th2 cells, mast cells and NK cells. IL-13 exerts anti-inflammatory effects on monocytes and macrophages and it inhibits the expression of inflammatory cytokines such as IL-1 beta, TNF-alpha, IL-6 and IL-8. IL-13 has also been shown to enhance B-cell proliferation and to induce isotype switching resulting in increased production of IgE. The receptor subunits of IL-13 consist of IL-4Rα, IL-13Rα1 and IL-13Rα2. Blocking of IL-13 activity inhibits the pathophysiology of asthma.		
Gene ID:	3596		
UniProt ID:	P35225		
Source:	<i>E. coli</i>		
Molecular Weight:	12.6 kDa (115 aa)		
Formulation:	Lyophilized from a sterile-filtered aqueous solution containing 10 mM sodium citrate, pH 3.0.		
Purity:	> 95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg of protein by kinetic LAL		
Biological Activity:	ED ₅₀ ≤ 5 ng/ml, determined by a cell proliferation assay using human TF-1 cells.		
Specific Activity:	□ 2.0 × 10 ⁵ U/mg		
Amino Acid Sequence:	MSPGPVPPST ALRELIEELV NITQNQKAPL CNGSMVWSIN LTAGMYCAAL ESLINVSGCS AIEKTQRMLS GFCPHKVSAG QFSSLHVRDT KIEVAQFVKD LLLHLKKLFR EGQFN		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 10 mM HCl to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilution should be made in appropriate buffered solutions.		
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.		



Reduced: - +



Human IL-13

Figure: 1 ug run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-13 has a predicted MW of 12.6 kDa.

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



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com