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## Product Datasheet

### Recombinant Human IL-13 (C-Fc) EBT-EPT242

Article Name	Recombinant Human IL-13 (C-Fc)
Biozol Catalog Number	EBT-EPT242
Supplier Catalog Number	EPT242
Alternative Catalog Number	EBT-EPT242-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-13 is produced by our Mammalian expression system and the target gene encoding Gly21 Asn132 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 39.2 KDa. Apparent molecular weight: 39-60 KDa, reducing conditions
UniProt	AAK53823
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test. Background: Interleukin-13 is also known as IL-13. It is a protein that in humans is encoded by the IL13 gene. Interleukin-13 is an immunoregulatory cytokine produced primarily by activated Th2 cells. It is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils.