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Product Datasheet

Recombinant Human IL-12RB1 (C-Fc) EBT-EPT271

Article Name	Recombinant Human IL-12RB1 (C-Fc)
Biozol Catalog Number	EBT-EPT271
Supplier Catalog Number	EPT271
Alternative Catalog Number	EBT-EPT271-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-12 Receptor Subunit Beta-1 is produced by our Mammalian expression system and the target gene encoding Cys24-Glu540 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 84.2 KDa. Apparent molecular weight: 95-110 KDa, reducing conditions
UniProt	P42701
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 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Interleukin12 receptor subunit beta 1 (IL12RB1) is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. IL12RB1 can spontaneously form homodimers and -oligomers, which are able to bind IL12 with only low affinity. IL12 high affinity receptor complex is composed of two subunits designated IL12RB1 and IL12RB2. While IL12RB1 interacts with the IL-12p40 subunit, IL-12p35 is mainly connecting with IL12RB2. This receptor chain is also responsible for transmitting the IL12 signal into the cell. IL12RB1, to the contrary, is also part of the IL23R, where it interacts with the p40 subunit of IL23. IL12RB1 is expressed in activated T cells, NK cells and B cells