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## Product Datasheet

### Recombinant Human IL-23R (C-6His) EBT-EPT034

|                            |                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant Human IL-23R (C-6His)                                                                                                                                                     |
| Biozol Catalog Number      | EBT-EPT034                                                                                                                                                                            |
| Supplier Catalog Number    | EPT034                                                                                                                                                                                |
| Alternative Catalog Number | EBT-EPT034-10                                                                                                                                                                         |
| Manufacturer               | ELK Biotechnology                                                                                                                                                                     |
| Category                   | Proteine/Peptide                                                                                                                                                                      |
| Product Description        | Recombinant Human Interleukin-23 Receptor is produced by our Mammalian expression system and the target gene encoding Gly24-Asp353 is expressed with a 6His tag at the C-terminus.... |
| Molecular Weight           | Molecular weight: 38.7 KDa. Apparent molecular weight: 60-90 KDa, reducing conditions                                                                                                 |
| UniProt                    | AAM44229.1                                                                                                                                                                            |
| Purity                     | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                  |

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| Application Notes | <p>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. Biological activity: Immobilized Human IL-23R-His(CatCP20) at 5µg/ml (100 µl/well) can bind Human IL-23-Fc (CatCW93). The ED50 of Human IL-23-Fc (CatCW93) is 0.187 ug/ml.</p> <p>Background: Interleukin 23 receptor (IL23R) is a type I cytokine receptor for IL23. IL23 receptor complex is comprised of two subunits, the IL12Rbeta1 subunit, which is shared with several cytokines, and a subunit that is unique to IL-23. IL23, after binding to IL23R, activates memory T cells and mediates pro-inflammatory activities in part by the production of IL17 through activation of TH17 lymphocytes. IL23R is expressed on T cells, NK cells, dendritic cells, and macrophages. In fact, polymorphisms of the IL23R gene were reported to be associated with susceptibility to inflammatory diseases and autoimmune diseases such as psoriasis, multiple sclerosis, Graves opthalmopathy and inflammatory bowel diseases. The IL23R is known to be critically involved in the carcinogenesis of different malignant tumor.</p> |
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