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## Product Datasheet

### Recombinant Human B7-H3 (C-6His) EBT-EPT290

|                            |                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant Human B7-H3 (C-6His)                                                                                                                                           |
| Biozol Catalog Number      | EBT-EPT290                                                                                                                                                                 |
| Supplier Catalog Number    | EPT290                                                                                                                                                                     |
| Alternative Catalog Number | EBT-EPT290-50                                                                                                                                                              |
| Manufacturer               | ELK Biotechnology                                                                                                                                                          |
| Category                   | Proteine/Peptide                                                                                                                                                           |
| Product Description        | Recombinant Human B7 Homolog 3 is produced by our Mammalian expression system and the target gene encoding Leu29-Thr461 is expressed with a 6His tag at the C-terminus.... |
| Molecular Weight           | Molecular weight: 47.3 KDa. Apparent molecular weight: 65-90 KDa, reducing conditions                                                                                      |
| UniProt                    | <a href="#">Q5ZPR3</a>                                                                                                                                                     |
| 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 B7-H3-His(CatCK62) at 2µg/ml (100 µl/well) can bind Anti-Human B7-H3 mAb(CatNC055 ) The ED50 of Anti-Human B7-H3 mAb(CatNC055 ) is 7.98 ng/ml. Background: CD276, also known as B7-H3, is a member of the B7 superfamily with signature IgV and IgG regions in extracellular domains. It is a type I transmembrane protein and shares 20-27% amino acid identity with other B7 family members. B7-H3 is involved in the activation of T lymphocytes, and regulates murine bone formation. It is also reported that B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is expressed on T-cells, natural killer cells, and antigen presenting cells, as well as some non-immune cells, such as osteoblasts, fibroblasts, fibroblast-like synoviocytes and epithelial cells. High expression of B7-H3 in tumor vasculature also correlates with poor survival in patients, suggesting that it may play a role in tumor cell migration</p> |
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