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## Product Datasheet

### Recombinant Human B7-1 (C-6His) EBT-EPT046

Article Name	Recombinant Human B7-1 (C-6His)
Biozol Catalog Number	EBT-EPT046
Supplier Catalog Number	EPT046
Alternative Catalog Number	EBT-EPT046-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Activation B7-1 Antigen is produced by our Mammalian expression system and the target gene encoding Val35-Asn242 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 24.7 KDa. Apparent molecular weight: 38-60 KDa, reducing conditions
UniProt	<a href="#">P33681</a>
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: Cluster of Differentiation 80, also called B7-1, is a member of cell surface immunoglobulin superfamily which plays key, yet distinct roles in the activation of T cells. It is the ligand for two different proteins on the T cell surface: CD28 and CTLA-4. Studies have shown that CTLA-4 binds mostly to CD80. The structure presents two extracellular domains: a membrane distal variable-like domain (IgV) and a membrane proximal Ig constant-like domain (IgC) along with an intracellular domain. Both IgV and IgC consist of anti-parallel beta sandwiches joined by a short linker region. CD80 is mostly expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells