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Product Datasheet

Recombinant Human IL-1b EBT-EPT039

Article Name	Recombinant Human IL-1b
Biozol Catalog Number	EBT-EPT039
Supplier Catalog Number	EPT039
Alternative Catalog Number	EBT-EPT039-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-1 Beta is produced by our E.coli expression system and the target gene encoding Ala117-Ser269 is expressed....
Molecular Weight	Molecular weight: 17.5 KDa. Apparent molecular weight: 17 KDa, reducing conditions
UniProt	P01584
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Endotoxin: Less than 0.001 ng/μg (0.01 EU/μg) as determined by LAL test. Biological activity: Measured by its ability to induce NF-kB signaling in 293-IL1 Res cells(CatXCC10). The ED50 for this effect is 20-100 pg/ml. Background: IL1B belongs to the IL-1 family. Interleukin 1 (IL-1) is a family of polypeptide cytokines consisting of two agonists, IL-1 alpha (IL-1F1) and IL-1 beta (IL-1F2) encoded by two distinct genes and perform identical biological functions. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response. It is identified as endogenous pyrogens, and is reported to stimulate the release of prostaglandin and collagenase from synovial cells