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Product Datasheet

Recombinant Human IL-17A
EBT-EPT053

Artikelname	Recombinant Human IL-17A
Artikelnummer	EBT-EPT053
Hersteller Artikelnummer	EPT053
Alternativnummer	EBT-EPT053-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Human Interleukin-17A is produced by our E.coli expression system and the target gene encoding Gly24-Ala155 is expressed....
Molekulargewicht	Molecular weight: 15.26 KDa. Apparent molecular weight: 16 KDa, reducing conditions
UniProt	Q16552
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	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-17A(CatC021) at 2µg/ml (100 µl/well) can bind Anti-Human IL-17A mAb(CatNC012).The ED50 of Anti-Human IL-17A mAb(CatNC012) is 0.185 ug/ml. Background: Interleukin-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. As IL-17 shares properties with IL-1 and TNF-alpha, it may induce joint inflammation and bone and cartilage destruction. This cytokine is found in synovial fluids of patients with rheumatoid arthritis, and produced by rheumatoid arthritis synovium. It increases IL-6 production, induces collagen degradation and decreases collagen synthesis by synovium and cartilage and proteoglycan synthesis in cartilage. IL-17 is also able to increase bone destruction and reduce its formation. Blocking of interleukin-17 with specific inhibitors provides a protective inhibition of cartilage and bone degradation