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## Product Datasheet

### Recombinant Mouse IDO (N-6His) EBT-EPT074

Artikelname	Recombinant Mouse IDO (N-6His)
Artikelnummer	EBT-EPT074
Hersteller Artikelnummer	EPT074
Alternativnummer	EBT-EPT074-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Mouse Indoleamine 2,3-dioxygenase is produced by our E.coli expression system and the target gene encoding Met1-Pro407 is expressed with a 6His tag at the N-terminus....
Molekulargewicht	Molecular weight: 47.1 KDa. Apparent molecular weight: 40-50 KDa, reducing conditions
UniProt	<a href="#">P28776</a>
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	<p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> <p>Background: Indoleamine 2,3-dioxygenase (IDO) is a heme enzyme that initiates the oxidative degradation of the least abundant, essential amino acid, L-tryptophan, along the kynurenine pathway. This protein is normally expressed in the dendritic cells, macrophages, microglia, eosinophils, fibroblasts, endothelial cells, and most tumor cells. IDO activity is associated with immunosuppression and immune attenuation. Several studies showed that IDO can contribute to immune escape when expressed directly in tumor cells or when expressed in immunosuppressive antigen presenting cells such as tolerogenic dendritic cells or tumor associated macrophages. IDO also is a promising therapeutic target for the treatment of cancer, chronic viral infections, and other diseases characterized by pathological immune suppression</p>
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