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## Product Datasheet

### **Biotinylated Human Mesothelin (C-6His-Avi) EBT-EPT283**

Artikelname	Biotinylated Human Mesothelin (C-6His-Avi)
Artikelnummer	EBT-EPT283
Hersteller Artikelnummer	EPT283
Alternativnummer	EBT-EPT283-100
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Biotinylated Recombinant Human Mesothelin is produced by our Mammalian expression system and the target gene encoding Glu296-Ser598 is expressed with a 6His, Avi tag at the C-terminus....
Molekulargewicht	Molecular weight: 36.7 KDa. Apparent molecular weight: 38-60 KDa, reducing conditions
UniProt	AAH09272.1
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: Loaded Anti-Human Mesothelin mAb-Fc(CatNC078) on Protein A Biosensor, can bind Biotinylated Human Mesothelin-His-Avi(CatCY05) with an affinity constant of 10<sup>-3</sup> nM as determined in BLI assay. Background: Mesothelin is a cell surface glycoprotein whose expression is limited to mesothelial cells of the serosa (pleura, pericardium, and peritoneum) and epithelial cells of the trachea, tonsils, fallopian tube, and kidneys. Mesothelin plays an important role in cell survival, proliferation, migration, invasion, tumor progression, and resistance to chemotherapy. The overexpression of mesothelin can activate NF-kappaB and signal transducer and activator of transcription 3 (Stat3), inhibit apoptotic signaling and TNF-alpha-induced apoptosis, and accelerate the G1-S transition. Mesothelin is also found overexpressed in various cancers, including malignant mesothelioma, pancreatic or ovarian carcinoma, sarcomas and in some gastrointestinal or pulmonary carcinomas. As a result of its limited expression in normal tissues, mesothelin has been reported as an ideal tumor-associated marker for the development of targeted therapy