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Product Datasheet

Recombinant Human Galectin 9 (C-6His) EBT-EPT189

Article Name	Recombinant Human Galectin 9 (C-6His)
Biozol Catalog Number	EBT-EPT189
Supplier Catalog Number	EPT189
Alternative Catalog Number	EBT-EPT189-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Galectin 9 is produced by our Mammalian expression system and the target gene encoding Met1-Thr323 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 36.7 KDa. Apparent molecular weight: 49 KDa, reducing conditions
UniProt	Q3B8N1
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	<p>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 Galectin 9-His (CatC808) at 10µg/ml (100 µl/well) can bind Human TIM-3-His* (CatC356).*: Biotinylated by NHS-biotin prior to testing. The ED50 of Recombinant Human TIM-3-His (CatC356) is 8-40 ug/ml.</p> <p>Background: Galectin-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkins disease tissue. Galectin-9 binds galactosides and has high affinity for the Forssman pentasaccharide. Galectin-9 plays a role in thymocyte-epithelial interactions relevant to the biology of the thymus and Inhibits cell proliferation. Galectin-9 is a ligand for HAVCR2/TIM3 and induces T-helper type 1 lymphocyte (Th1) death. In addition, Galectin-9 suppresses tumor cell metastasis by interfering with the associations CD44, VCAM-1, Integrin alpha4beta1</p>
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