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Product Datasheet

Recombinant Mouse EpCAM (C-Fc) EBT-EPT017

Article Name	Recombinant Mouse EpCAM (C-Fc)
Biozol Catalog Number	EBT-EPT017
Supplier Catalog Number	EPT017
Alternative Catalog Number	EBT-EPT017-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Epithelial Cell Adhesion Molecule is produced by our Mammalian expression system and the target gene encoding Gln24-Thr266 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 54.8 KDa. Apparent molecular weight: 60-80 KDa, reducing conditions
UniProt	Q99JW5
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

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. Background: Epithelial Cellular Adhesion Molecule (Ep-CAM), also known as EGP314, mEGP314, Protein 289A, Tumor-associated calcium signal transducer 1, CD326, belongs to the EPCAM family. Its monomer subunit structure interacts with phosphorylated CLDN7. Ep-CAM may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. It plays a role in embryonic stem cells proliferation and differentiation. It also up-regulates the expression of FABP5, MYC and cyclins A and E. The post-translational modification glycosylation at Asn-198 is crucial for protein stability