Recombinant Mouse EpCAM/TROP-1 Protein (Fc Tag)

Catalog Number: PKSM041339



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Neurotrophic tyrosine kinase receptor-related 1;receptor tyrosine kinase-like orphan

receptor 1;ROR1;tyrosine-protein kinase transmembrane receptor ROR1;Epithelial cell adhesion molecule;Tumor-associated calcium signal transducer 1;TROP1;CD32 6;EGP;EGP-2;Egp314;Ep-CAM;EpCAM1;GA733-2;gp40;Ly74;Tacsd1;Tacstd1

Species Mouse

Expression HostHEK293 CellsSequenceGln24-Thr266AccessionQ99JW5Calculated Molecular Weight54.8 kDaObserved molecular weight60-80 kDaTagC-Fc

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per μg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

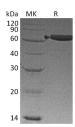
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.

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