

Mouse EpCAM, His Tag, CHO

Catalog Number LDG020PMM

Package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Mouse

Affinity Tag

His Tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Expression system

CHO

Buffer

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

Molecular weight

The protein has a calculated MW of 28.46 kDa. The protein migrates as 30-35 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

Taipei Office

+886-2-27065528

Background

EpCAM (Epithelial Cell Adhesion Molecule), a transmembrane glycoprotein, is expressed in epithelial tissues and various carcinomas. It mediates cell-cell adhesion and signaling, influencing cell proliferation, migration, and differentiation. EpCAM is involved in maintaining epithelial integrity and regulating epithelial-mesenchymal transition (EMT) during development and tissue repair. Additionally, it serves as a diagnostic and prognostic marker in cancer, where its overexpression correlates with tumor aggressiveness and poor clinical outcomes. EpCAM-targeted therapies, including monoclonal antibodies and immunotherapies, hold promise in cancer treatment. Understanding EpCAM's roles in physiology and pathology is crucial for developing effective therapeutic strategies.

Uniprot ID

AAH05618.1

Synonyms

Epithelial cell adhesion molecule, Epithelial glycoprotein 314 (EGP314; mEGP314), Protein 289A, Tumor-associated calcium signal transducer 1, CD326

Sequence Note

Met1-Thr266

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.2 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Tainan Headquarter

☎ +886-6-2536677 📠 +886-6-2531536

✉ info@leadgene.com.tw

Taipei Office

☎ +886-2-27065528

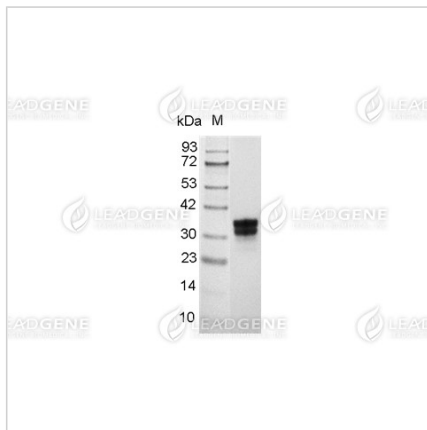
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image



SDS-PAGE analysis of
recombinant mouse EpCAM.

Disclaimer : For Research Use or Further Manufacturing Only.

Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

Taipei Office

+886-2-27065528