Mouse EpCAM, His Tag, CHO

Catalog Number	LDG020PMM
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Mouse

Expression system
CHO

Affinity Tag
His Tag (C-term)

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

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

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).

Activity
Measured by its ability to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells, with the ED50 ranging from 1 to 5 μg/mL.

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

Form
Lyophilized

Background

Tainan Headquarter
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677

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.

Synonyms

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

Uniprot ID

AAH05618.1

Sequence Note

Met1-Thr266

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/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.

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.

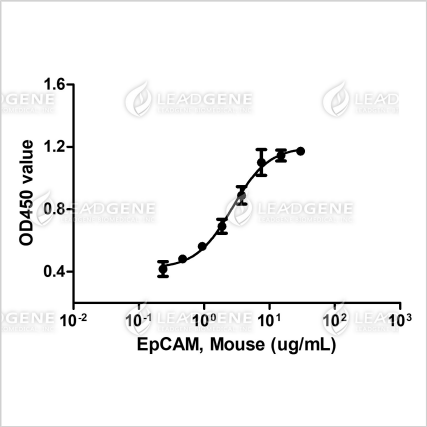
Avoid repeated freeze/thaw cycles.

Tainan Headquarter
+886-6-2536677
bd@leadgene.com.tw

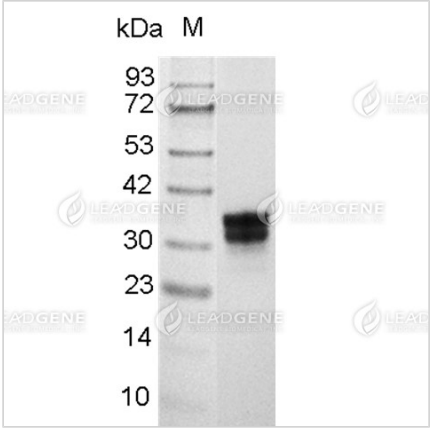
Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677

Image



Mouse EpCAM, His Tag, CHO (LDG020PMM) supports the adhesion of NIH-3T3 mouse embryonic fibroblast cells, with the ED50 ranging from 1 to 5 μg/mL.



SDS-PAGE analysis of recombinant mouse EpCAM.

Disclaimer : For Research Use or Further Manufacturing Only.

Tainan Headquarter
+886-6-2536677
bd@leadgene.com.tw

Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677