

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate

Mouse Monoclonal Antibody [Clone SPM534]

Catalog # AH10971

Specification

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate - Product Information

Application	,1,14,3,4,
Primary Accession	O55159
Other Accession	171577 (Rat)
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1
Calculated MW	40-43kDa KDa

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate - Additional Information

Gene ID 171577

Other Names

Epithelial cell adhesion molecule, Ep-CAM, Epithelial glycoprotein 314, EGP314, Protein D5.7A, Tumor-associated calcium signal transducer 1, CD326, Epcam, Tacstd1

Format

Bioreactor Concentrate with 0.05% Azide. Contact us if you require it in a different format.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

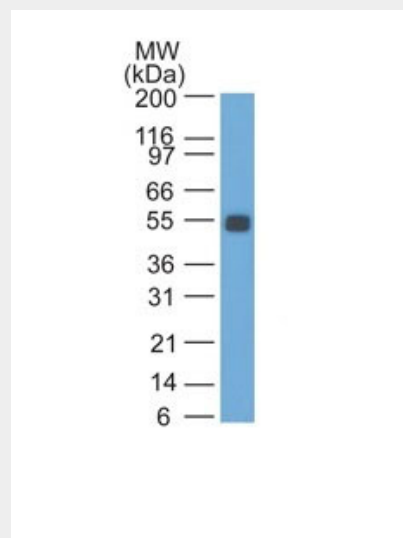
Precautions

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate is for research use only and not for use in diagnostic or therapeutic procedures.

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate - Protein Information

Name Epcam

Synonyms Tacstd1



Western Blot of rat Colon Lysate probed with Ep-CAM Monoclonal Antibody (SPM534).

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate - Background

Epitope of GZ-1 and GZ-20 monoclonal antibodies are different. EGP40 is a 40-43kDa transmembrane epithelial glycoprotein, also identified as epithelial specific antigen (ESA), or epithelial cellular adhesion molecule (Ep-CAM). It is expressed on baso-lateral cell surface in most simple epithelia and a vast majority of carcinomas.

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate - References

Litvinov SV et. al. J Cell Biol, 1994, 125:437-46. ,2. Tsubura A et. al. J Cut Pathol, 1992, 19:73-9

Function

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. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E (By similarity).

Cellular Location

Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

**Ep-CAM / CD326 (Rat) (Epithelial Marker)
Antibody - Bioreactor Concentrate -
Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)