10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Ep-CAM / CD326 (Rat) (Epithelial Marker) Antibody - Bioreactor Concentrate
Mouse Monoclonal Antibody [Clone SPM535]
Catalog # AH10975

Specification

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

Application	**,1,3,4,5,**
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

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).

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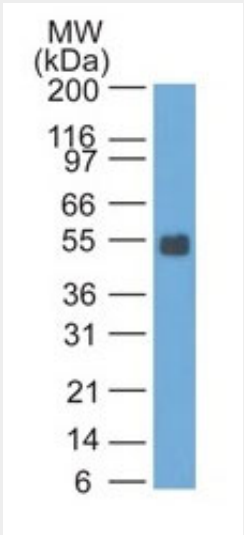
Cellular Location
Lateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Note=Colocalizes with CLDN7 at the lateral cell membrane and tight junction

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 Cytomety
- Cell Culture

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



Western Blot of rat Colon Lysate probed with Ep-CAM Monoclonal Antibody (SPM535).

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