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

Mouse Monoclonal Antibody [Clone SPM534 ]
Catalog # AH10971

## Product Information

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|---|---|
| **Application** | WB, IF, FC, IHC-P |
| **Primary Accession** | O55159 |
| **Other Accession** | 171577 (Rat) |
| **Reactivity** | Rat |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse / IgG1 |
| **Clone Names** | SPM534 |
| **Calculated MW** | 35207 |

## Additional Information

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| **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 |
| **Application Note** | WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A |
| **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. |

## Protein Information

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| **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 |

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| | 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 |

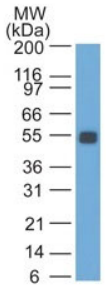
## Background

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.

## References

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

## Images




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.