

# Technical Data Sheet

## InVivoMAb anti-human CD326 (EpCAM)



**Attention:** Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

### Lot Specific Information

Lot Number:	Lot Specific*
Volume:	Lot Specific*
Concentration:	Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein:	Lot Specific*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

Catalog Number:	BE0386
Clone:	Ber-EP4
Isotype:	mouse igg1, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Human breast adenocarcinoma cell line MCF-7
Reported Applications:	Immunohistochemistry (paraffin) Immunofluorescence Flow cytometry Immunoprecipitation
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

### Description

The Ber-EP4 monoclonal antibody reacts with human CD326 also known as EpCAM (Epithelial Cell Adhesion Molecule). EpCAM is a 40-42 kDa cell-surface type 1 transmembrane glycoprotein expressed on most epithelial cells as well as a small subset of peripheral T cells, keratinocytes, Langerhans cells and thymic, lymph node, and splenic dendritic cells. CD326 mediates cell-cell adhesion and may function as a growth factor receptor. The Ber-EP4 antibody is useful to distinguish between cells of mesothelial and epithelial origin. It has been mainly used as a typical epithelial cell marker in colon cancer cell lines.

### Shelf-Life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

### Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

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*Not for resale.*

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