

Technical Data Sheet

InVivoMAb anti-mouse E-Cadherin (CD324)



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: BE0352
Clone: DECMA-1
Isotype: Rat IgG1, κ
Recommended Isotype Control(s): InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Mouse PCC4azal teratocarcinoma cells
Reported Applications: *in vivo* E-Cadherin neutralization
in vitro E-Cadherin neutralization
Immunofluorescence
Immunoprecipitation
Western blot
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: <2EU/mg (<0.002EU/ μ g)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μ m filtration
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_2894771](https://abnova.com/AB_2894771)
Molecular Weight: 150 kDa

Description

The DECMA-1 monoclonal antibody reacts with the extracellular domain of mouse E-Cadherin, a 120-kDa transmembrane cell-cell adhesion glycoprotein also known as CD324 and uvomorulin. E-Cadherin is widely expressed on epithelial cells in the colon, uterus, liver, keratinocytes, brain, heart, muscle, kidney, and pancreas as well as erythroid cells. E-Cadherin is a critical regulator of epithelial junction formation. Its association with catenins is necessary for cell-to-cell adhesion. E-Cadherin is involved in development, bacterial pathogenesis, and tumor invasion. The DECMA-1 antibody has been shown to delay tumor onset and attenuate tumor burden in MMTV-PyMT mice by reducing tumor cell proliferation and inducing apoptosis without any detectable cytotoxicity.

Storage

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

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.

Application References

For a complete list of references, visit https://bioxcell.com/be0352?bxcs=9k1b3a#tab_references or scan the QR code below.



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