

# Technical Data Sheet

InVivoMAb anti-human CEACAM7



**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: **BE0363**  
Clone: **P3-7B**  
Isotype: Mouse IgG1,  $\kappa$   
Recommended Isotype Control(s): InVivoMAb mouse IgG1 isotype control, unknown specificity  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Human CEACAM7-Fc fusion protein  
Reported Applications: Western blot\*  
ELISA\*  
Immunoprecipitation\*  
Immunohistochemistry\*  
Flow cytometry\*  
\*Based on unpublished data  
Formulation: PBS, pH 7.0  
Contains no stabilizers or preservatives  
Endotoxin: <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
Purity: >95%  
Determined by SDS-PAGE  
Sterility: 0.2  $\mu$ m filtration  
Production: Purified from cell culture supernatant in an animal-free facility  
Purification: Protein G  
RRID: [AB\\_2894781](https://europepmc.org/abstract/PP/AB_2894781)  
Molecular Weight: 150 kDa

## Description

The P3-7B monoclonal antibody reacts with human carcinoembryonic antigen-related cell adhesion molecule 7 (CEACAM7). CEACAMs are highly glycosylated membrane proteins belonging to the immunoglobulin superfamily. The function of CEACAM7 still has to be elucidated but it has been described to be expressed in columnar epithelial cells of the large intestine and strongly downregulated in colonic adenocarcinomas. Antibodies against CEACAMs are commonly used in immunohistochemistry and flow cytometry to identify cells expressing the glycoprotein in tissue samples and cell culture.

## 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/catalogsearch/result/?q=BE0363#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0363#tab_references) or scan the QR code below.



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*Not for resale.*

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