Technical Data Sheet

InVivoMAb anti-human CEACAM 1/3/5/6/8

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:	**BE0362**
Clone:	**6G5j**
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 CEACAM1-Fc fusion protein
Reported Applications:	Western blot ELISA Immunofluorescence Immunohistochemistry (paraffin) Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2894780
Molecular Weight:	150 kDa

Description

The 6G5j monoclonal antibody reacts with an antigen epitope shared by mouse carcinoembryonic antigen-related cell adhesion molecule (CEACAM) 1, 3, 5, 6, and 8, also known as CD66a, d, e, c, and b. CEACAMs are highly glycosylated membrane proteins belonging to the immunoglobulin superfamily. CEACAMs are involved in cell adhesion, proliferation, differentiation, apoptosis, T and B cell activation and except for CEACAM 8, they also serve as bacterial pathogen receptors. CEACAM 1 is expressed by epithelial, endothelial, and immune cells. CEACAM 3 and 8 are solely expressed in granulocytes, CEACAM 5 in epithelial cells and CEACAM 6 in epithelium and granulocytes. Antibodies against CEACAMs are commonly used in immunohistochemistry and flow cytometry to identify cells expressing the glycoprotein in tissue samples and cell culture. However, CEACAM 1, 5 and 6 are also found in serum where they can be used as tumor markers.

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/be0362?bxcs=9k1b3a#tab_references or scan the QR code below.

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