# Technical Data Sheet

## InVivoMAb anti-human MUC16

**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

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|---|---|
| **Catalog Number:** | **BE0391** |
| **Clone:** | **VK8** |
| **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 ovarian cancer cell line OVCAR-3 |
| **Reported Applications:** | Flow cytometry<br>Western blot |
| **Formulation:** | PBS, pH 7.0<br>Contains no stabilizers or preservatives |
| **Endotoxin:** | ≤1EU/mg (≤0.001EU/µg)<br>Determined by LAL gel clotting assay |
| **Purity:** | ≥95%<br>Determined by SDS-PAGE |
| **Sterility:** | 0.2 µm filtration |
| **Purification:** | Protein G |
| **RRID:** | |
| **Molecular Weight:** | 150 kDa |

## Description

The VK8 monoclonal antibody reacts with human MUC16 also known as CA125. MUC16 is a large transmembrane glycoprotein primarily expressed on the surface of epithelial cells in various tissues. MUC16 is known for its clinical significance as a tumor marker for ovarian cancer. MUC16 has also been shown to play a role in cell adhesion, immune regulation, and protection of the ocular surface. Due to its complex structure and diverse functions, MUC16 is an area of ongoing research in both cancer biology and immunology.

## 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/be0391?bxcs=9k1b3a#tab_references or scan the QR code below.

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