Technical Data Sheet

InVivoMAb anti-human TROP-2

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:	**BE0408**
Clone:	**Pr1E11**
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:	Primary human prostate cancer cells
Reported Applications:	Western blot Immunohistochemistry (frozen) Flow cytometry
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 filtered
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

Description

The Pr1E11 monoclonal antibody reacts with human TROP-2, also known as TACSTD2, EGP-1, and GA733-1. TROP-2 is a type I transmembrane glycoprotein with high homology to TROP-1/EpCAM. TROP-2 spans the epithelial membrane surface and plays a role in embryonic development, cell self-renewal, proliferation, and transformation. TROP-2 is found on the surface of multiple normal epithelial tissues, including skin and oral mucosa. TROP-2 can promote tumor growth and its overexpression is common in many types of malignant epithelial tumors. A variety of human epithelial cancer cells are characterized by TROP-2 overexpression, including breast, lung, urothelial, gastric, colorectal, pancreatic, prostatic, cervical, head and neck, and ovarian carcinomas.

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.

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