

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.

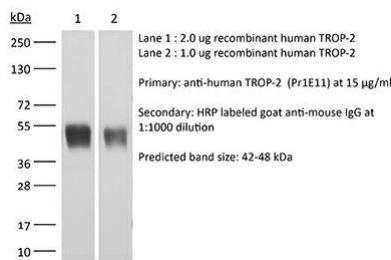
Application References

For a complete list of references, visit https://bioxcell.com/be0408?bxcs=9k1b3a#tab_references or scan the QR code below.



Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail technicalservice@bioxcell.com.



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B:SkjqoqlZ6emki917oHZv5Wvwkm2NuHY7dX7oEu6uy9id2Zzspe7e9B31U93da4qfBb07qpvkKeyG7bxfbeMwNXPQsbipM9BlavH1M1JUTS00skTe690JWwwo+JPT+T6qzPXHTGE21lukd1dxb46vyMV class="img-fluid" style="padding-top: 8px;" />

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