

## DESCRIPTION

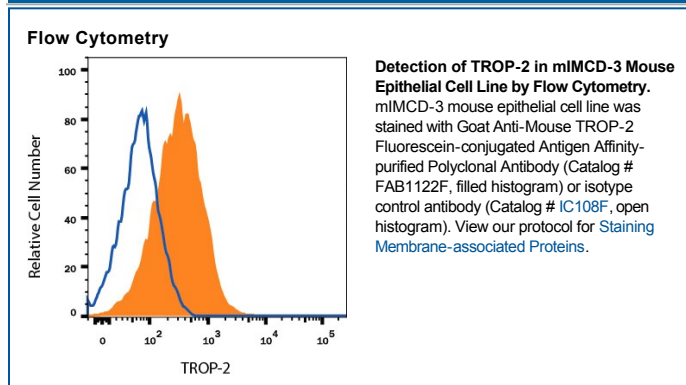
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Mouse  |
| <b>Specificity</b>        | Detects mouse TROP-2 in direct ELISAs and Western blots. In direct ELISAs, approximately 30% cross-reactivity with recombinant human TROP-2 is observed.   |
| <b>Source</b>             | Polyclonal Goat IgG  |
| <b>Purification</b>       | Antigen Affinity-purified  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse TROP-2<br>Ser82-Thr268<br>Accession # Q8BGV3   |
| <b>Conjugate</b>          | Fluorescein<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm (FITC)   |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

|                       | <b>Recommended Concentration</b> | <b>Sample</b> |
|-----------------------|----------------------------------|---------------|
| <b>Flow Cytometry</b> | 10 $\mu$ L/10 <sup>6</sup> cells | See Below     |

## DATA



## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.                                    |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul> |

## BACKGROUND

TROP-2, also named tumor-associated calcium signal transducer 2 (TACSTD2), GA733 tumor associated antigen, and epithelial glycoprotein-1 (EGP-1), is a type I transmembrane protein highly expressed in carcinomas. It was originally identified as an antigen present on human gastrointestinal tumors and is the second of two members of this family. The other family member is GA7332, also called EpCAM, TROP1, 171A, gp40 and KSA. TROP2 can transduce an intracellular calcium signal and may play a role in tumor growth. It also has adhesive functions.