

## DESCRIPTION

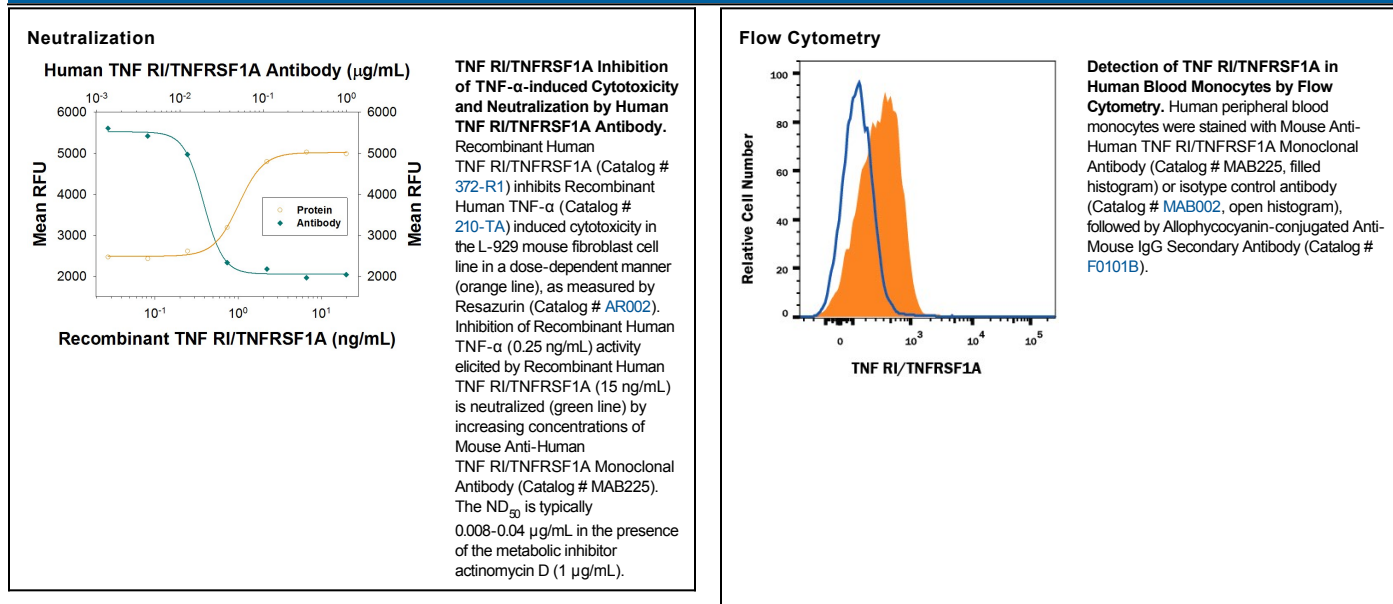
|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human TNF RI in Western blots. In Western blots, does not cross-react with recombinant human (rh) TNF RII, rmTNF RI, or rmTNF RII.  |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 16803   |
| <b>Purification</b>       | Protein A or G purified from ascites  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human TNF RI/TNFRSF1A<br>Accession # NP_001056  |
| <b>Endotoxin Level</b>    | <0.10 EU per 1 µg of the antibody by the LAL method.  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. |

## 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.

|                       | Recommended Concentration  | Sample  |
|-----------------------|--|---|
| <b>Western Blot</b>   | 1 µg/mL  | Recombinant Human TNF RI/TNFRSF1A (Catalog # 636-R1) under non-reducing conditions only |
| <b>Flow Cytometry</b> | 0.25 µg/10 <sup>6</sup> cells  | See Below   |
| <b>CyTOF-ready</b>    | Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.   |   |
| <b>Neutralization</b> | Measured by its ability to neutralize TNF RI/TNFRSF1A-mediated inhibition of cytotoxicity in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.008-0.04 µg/mL in the presence of 15 ng/mL Recombinant Human TNF RI/TNFRSF1A, 0.25 ng/mL Recombinant Human TNF-α, and 1 µg/mL actinomycin D. |   |

## DATA



## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Reconstitution</b>          | Reconstitute at 0.5 mg/mL in sterile PBS.  |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C   |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

## BACKGROUND

TNF RI occurs both in membrane bound and soluble forms and functions as a receptor for TNF-α and TNF-β. In the superfamily nomenclature, it is designated TNFRSF1A.