

Monoclonal Anti-mouse TNF RII/TNFRSF1B-APC

Catalog Number: FAB426A

Lot Number: ABDX01

100 Tests

Reagents Provided

Allophycocyanin (APC)-conjugated hamster monoclonal anti-mouse TNF RII/TNFRSF1B: Supplied as 10 µg of antibody in 1 mL saline containing up to 0.5% BSA and 0.1% sodium azide.

Clone #: TR7554

Isotype: hamster IgG

Reagents Not Provided

- Flow Cytometry Staining Buffer (Catalog # FC001) or other BSA-supplemented saline buffer.

Storage

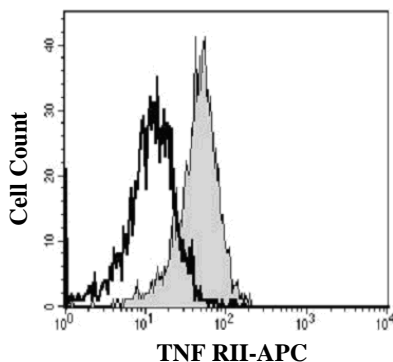
Reagents are stable for **twelve months** from the date of receipt when stored in the dark at 2° - 8° C.

Intended Use

Designed to quantitatively determine the percentage of cells bearing TNF RII/TNFRSF1B within a population and qualitatively determine the density of TNF RII/TNFRSF1B on cell surfaces by flow cytometry.

Product Description

This antibody was produced from a hybridoma derived from an Armenian hamster immunized with purified, *E. coli*-derived, recombinant mouse TNF RII (rmTNF RII; aa 23 - 258; Accession # P25119). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography. The purified antibody was then conjugated to APC fluorochrome. Cell surface expression of TNF RII/TNFRSF1B is determined by flow cytometry using 620 - 650 nm wavelength excitation and monitoring emitted fluorescence with a detector optimized to collect peak emissions at 660 - 670 nm.



L929 cells were stained with APC-conjugated anti-mouse TNF RII/TNFRSF1B (Catalog # FAB426A, filled histogram) or isotype control (open histogram).

Background Information

Tumor Necrosis Factor Receptor type II (TNF RII), also known as p75 or p80 TNF R, is a prototypic member of the TNF receptor superfamily and has been designated TNFRSF1B. It binds TNF with high affinity and is expressed primarily in cells of the immune system.

Flow Cytometry Validation

This antibody has been tested for flow cytometry using L929 cells.

- Cells may be Fc-blocked with 1 µg of mouse IgG/10⁵ cells for 15 minutes at room temperature. Do not wash excess blocking IgG from this reaction.
- After blocking, 10 µL of conjugated antibody was added to 1 - 2.5 x 10⁵ cells and incubated for 30 minutes at room temperature.
- Unbound antibody was removed by washing the cells twice in Flow Cytometry Staining Buffer (Catalog # FC001). Note that whole blood requires a RBC lysis step at this point using Flow Cytometry Mouse Lyse Buffer (Catalog # FC003).
- The cells were resuspended in Flow Cytometry Staining Buffer for final flow cytometric analysis. As a control for this analysis, cells in a separate tube should be treated with APC-labeled hamster IgG antibody. This procedure may need to be modified, depending upon cell type and final utilization. Individual users may need to titrate to determine the optimal reagent amount for their specific use.

Warning: Contains sodium azide as a preservative - sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large volumes of water during disposal.