

# Monoclonal Anti-human TRAIL R4/TNFRSF10D-PerCP

Catalog Number: FAB633C

Lot Number: ABIA01

100 Tests

## Reagents Provided

**Peridinin-Chlorophyll-Protein-Complex (PerCP)-conjugated mouse monoclonal anti-human TRAIL R4/TNFRSF10D:** Supplied as 25 µg of antibody in 1 mL saline containing up to 0.5% BSA and 0.1% sodium azide.

Clone #: 104918

Isotype: mouse IgG<sub>1</sub>

## Reagents Not Provided

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

## Storage

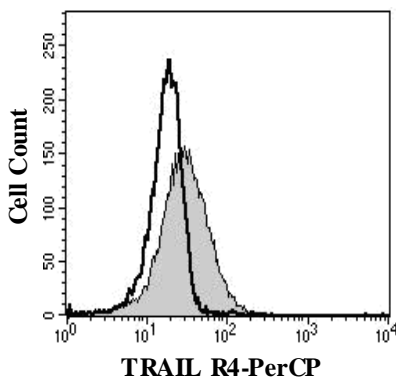
Reagents are stable for **twelve months** from the date of receipt when stored in the dark at 2° - 8° C.

## Intended Use

Designed to quantitatively determine the percentage of cells bearing TRAIL R4/TNFRSF10D within a population and qualitatively determine the density of TRAIL R4/TNFRSF10D on cell surfaces by flow cytometry.

## Product Description

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, NS0-derived, recombinant human TRAIL Receptor 4 (rhTRAIL R4) extracellular domain. The IgG fraction of ascites fluid was purified by Protein G affinity chromatography. The purified antibody was then conjugated to PerCP fluorochrome. Cell surface expression of TRAIL R4/TNFRSF10D is determined by flow cytometric analysis. PerCP has a maximum absorption of 482 nm and 564 nm and a maximum emission of 675 nm.



Human whole blood granulocytes were stained with PerCP-conjugated anti-human TRAIL R4/TNFRSF10D (Catalog # FAB633C, filled histogram) or isotype control (Catalog # IC002C, open histogram).

試薬に関するお問い合わせ先: Tel: 03-5684-1600 / Fax: 03-5684-1775  
E-mail: reagent@fuhakoshi.co.jp

2010/02/19

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

## Background Information

TRAIL R4, also known as DcR2, is a type I transmembrane protein belonging to the TNF receptor superfamily and is now designated TNFRSF10D. TRAIL R4 contains a truncated cytoplasmic domain and does not trigger apoptosis following binding of TRAIL.

## Flow Cytometry Validation

This antibody has been tested for flow cytometry using human whole blood granulocytes.

- Cells may be Fc-blocked with 1 µg of human IgG/10<sup>5</sup> 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 10<sup>5</sup> 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 Human Lyse Buffer (Catalog # FC002).
- 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 PerCP-labeled mouse IgG<sub>1</sub> antibody. This procedure may need to be modified, depending upon the 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.

**R&D Systems Inc.**  
**1-800-343-7475**