



PRODUCT DATA SHEET

Product: TRAIL-R4, Human Recombinant Protein

Cat. No.: TR-008 (50 µg)

Synonyms:

TRAIL-R4:IgG(Fc), DcR2:Fc, TRUNDD:Fc, TNFRSF 10D:FC CD264:Fc

Recombinant Protein:

The extracellular domain (amino acids 56-212) of human TRAIL-R4 fused to the Fc portion of human IgG₁. 54 kDa (SDS-PAGE).

Format:

50 µg lyophilized, purified protein. Dissolve in 50 µL sterile H₂O to obtain a 1 mg/mL solution in PBS.

Purity:

>95% as determined by SDS-PAGE

Specificity:

Interacts with TRAIL from humans and mice. Other species not tested.

Applications:

- Inhibition of Apoptosis: rhTRAIL-R4:IgG(Fc) inhibits human TRAIL-mediated apoptosis at a concentration of 2-10 µg/mL.

Tested with human Jurkat lymphoma cells (5 X 10⁴ cells in DMEM, 5% FCS) incubated with 0.1 µg/mL rhsTRAIL plus 2 µg/mL cross-linking antibody (Cat. No. TR-002), and increasing amounts of rhTRAIL-R4:IgG(Fc) fusion protein. Incubation was at 37°C for 16 hr. The concentrations of rhTRAIL-R4:IgG(Fc) required to inhibit may vary depending on the cell type studied and on the concentration of sTRAIL used to kill the cells.

The concentration of rhTRAIL-R1: IgG(Fc) required to inhibit killing may vary depending on the cell type studied and the concentration of TRAIL used to kill cells.

rhTRAIL-R4:IgG(Fc) can be used for the inhibition of rhsTRAIL mediated lysis of TRAIL sensitive cells. Use rhTRAIL-R2:IgG(Fc) (Cat. No. TR-005) or rhTRAIL-R2:IgG1(Fc)-FITC (Cat. No. TR-006) for the detection of surface TRAIL by flow cytometry.

The optimal dilution for a specific application should be determined by the researcher.

Storage:

Unreconstituted product is stable at -20°C for a minimum of 6 months. After reconstitution, aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.