



## PRODUCT DATA SHEET

**Product:** TRAIL-R3, human recombinant

**Cat. No.:** TR-007 (50 µg)

**Synonyms:**

TRAIL-R3:IgG Fc, Dc R1:Fc, TRID:Fc, TNFRSF 10C:Fc, CD263:Fc,

**Recombinant Protein:**

The extracellular domain (amino acids 25-240) of human TRAIL-R3 fused to the Fc portion of human IgG<sub>1</sub>. ~66 kDa (SDS-PAGE).

**Format:**

50 µg lyophilized, purified protein. Dissolve in 50 µL sterile H<sub>2</sub>O to obtain a 1 mg/mL solution in PBS.

**Purity:**

>95% as determined by SDS-PAGE

**Specificity:**

Interacts with TRAIL from human and mouse. Other species not tested.

**Applications:**

- Inhibition of Apoptosis: rhTRAIL-R3:IgG(Fc) inhibits human soluble TRAIL-mediated apoptosis at a concentration of 50-100 ng/mL.

Tested with human Jurkat lymphoma cells (5 X 10<sup>4</sup> cells in 100 µL DMEM, 5% FCS) incubated with 0.1 µg/mL rhTRAIL plus 2 µg/mL cross-linking antibody (Cat. No. TR-002), and increasing amounts of rhTRAIL-R3:IgG(Fc) fusion protein. Incubation was at 37°C for 16 hr. The concentration of rhTRAIL-R1:IgG(Fc) required to inhibit killing may vary depending on the cell type studied and the concentration of sTRAIL used to kill cells.

rhTRAIL-R3:IgG(Fc) can be used for the inhibition of rhTRAIL 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.

**Protocol:**

Product contains 50 µg lyophilized, purified protein in PBS. Dissolve in 50 µL sterile H<sub>2</sub>O to obtain a 1 mg/mL solution in PBS. Further dilutions should be made into medium containing 5% FCS or other carrier protein.

**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.