



PRODUCT DATA SHEET

Product: TNF-R1 (human recombinant)

Cat. No.: TN-003 (50 µg)

Synonyms:

TNF-R 60 kDa, CD120a, p55, TNFRSF 1A

Chemical Name:

Human recombinant TNF-R1:Fc

Recombinant Protein:

The extracellular domain of human TNF-R1 (amino acids 1-211) fused to the Fc portion of human IgG₁ (TNF-R1:Fc).

Molecular Weight:

~60 kDa (reducing SDS-PAGE)

Source:

Produced in HEK293 cells.

Specificity:

Binds human and mouse TNF-α (tumor necrosis factor-alpha).

Species Reactivity:

Human and mouse. Others not tested.

Purity:

≥95% by SDS-PAGE. Endotoxin content is <0.1EU/µg purified protein (LAL test; Bio Whittaker).

Format:

50 µg lyophilized. Contains PBS. Concentration is 1 mg/mL after reconstitution.

Reconstitution:

Reconstitute with 50 µL sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or carrier protein.

Biological Activity:

Binds to TNF-R1 and triggers various biological effects (including cell death). rhTNF-R1:Fc fusion protein blocks TNF-α-mediated lysis with a inhibitory activity in a concentration range of 10-50 ng/mL.

Storage:

Store at -20°C. Aliquot solutions to avoid repeat 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.