

Murine TNF-Receptor soluble Type I

Synonyms: Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor 1, TNF-R1, Tumor necrosis factor receptor type I, TNF-RI, TNFR-I, p55, p60, CD120a, Tnfrsf1a, Tnfr-1, Tnfr1, FPF, TNF-R, TNFAR, TNFRI, p55-R, TNFR60, Tnfr-2, TNF-R-I, TNF

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

| Size | Order # | Lot # | Expiry Date |
|-------|--------------|-------|-------------|
| 5 µg | 1970.960.005 | | |
| 20 µg | 1970.960.020 | | |
| 1 mg | 1970.960.199 | | |

Please enquire for bulk quantities and other vial sizes

Description

TNFR Murine Recombinant produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 191 amino acids and having a molecular mass of 21.1kDa.

- **Biological Activity** ≥ 1000 IU/mg in the presence of 0.1 ng/mL of rMuTNF-a
- **Source** *E. Coli*
- **Purity** ≥ 97 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** TNFR protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by its ability to inhibit the TNF-a mediated cytotoxicity in the L-929 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/mg in the presence of 0.1 ng/mL of rMuTNF-a.

Reconstitution

It is recommended to reconstitute the lyophilized TNFR in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized TNFR although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution TNFR should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

IHPSGVTGLV PSLGDREKRD SLCPQGKYVH SKNNSICCTK CHKGTYLVSD CPSPGRDTCV RECEKGTFTA
 SQNYLRQCLS CKTCRKEMSQ VEISPCQADK DTVCGCKENQ FQRYLSETHF QCVDCSPCFN GTVTIPCKET
 QNTVCNCHAG FFLRESECVF CSHCKKNEEC MKLCLPPPLA NVTNPQDSGT A

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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