# Product Datasheet

## Murine Tumor Necrosis Factor-alpha (rMuTNF-α) (orb1494916)

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| **Description** | Tumor necrosis factor alpha (TNF-α) is produced by neutrophils, activated lymphocytes, macrophages,... |
| **Endotoxins** | Less than 1EU/mg of rMuTNF-α as determined by LAL method. |
| **Preservatives** | Lyophilized from a 0.2mm filtered solution in PBS, pH 7.2. |
| **Form/Appearance** | Sterile Filtered White lyophilized (freeze-dried) powder. |
| **Storage** | This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles. |
| **Note** | For research use only |
| **Application notes** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20°C. Further dilutions should be made in appropriate buffered solutions. |
| **Protein Sequence** | MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQLVVP ADGLYLVY SQVLFKGQGC PDYVLLTHTV SRFAISYQEKVNLLSAVKSP CPKDTPEGAE LKPWYEPIYL GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL |
| **Source** | Escherichia coli. |
| **MW** | Approximately 17.3 kDa. The recombinant murine TNF-alpha is a soluble 157 amino acid protein which corresponds to C-terminal extracellular domain of the full length transmembrane protein. |
| **Expiration Date** | 6 months from date of receipt. |

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