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| 1. Identification |

Product name: Recombinant Protein Mouse TNF-A

Reactions: 20 micrograms

Cat. No.: PRA-ReMTNF

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| 2. Description |

TNF-α is an important inflammatory cytokine produced by macrophages prominently. This is an important cytokine to induce innate immunity against microbial infections. It also participates in the pathogenesis of infectious shock and autoimmune disorders. The cytokine has a molecular mass each of 17 kilo Daltons. Recombinant mouse TNF-α can be intended for use in in vivo and in vitro applications. Recombinant mouse TNF-α is produced in E. coli BL21 transfected with the full-length sequence for the mouse TNF-α gene in the PET21b+.

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| 3. Kit Contents |

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| Component | **Cat. no** | Quantity |
| lyophilized recombinant lyophilized recombinant Mouse TNF-A | PRA-ReTNF | 20 µg |

Caution: Please wear gloves when using this product. Avoid all skin contact with kit reagents. In case of contact, wash thoroughly with water.

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| 4. Storage specifications |

-  Recombinant Protein Mouse TNF-A is shipped and stored at -20C.

- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of Recombinant Protein Mouse TNF-A and store at -20°C for 12 months.

**Note:** Avoid repeated freeze-thaw cycles.

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| 5. Applications |

All molecular biology applications, such as:

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| 6. Assay Procedure |

Purity greater than 98% as determined by

SDS-PAGE.

- Endotoxin levels <0.1 EU/µg as determined using a kinetic chromogenic LAL assay.

- Biological activity was not tested.

- Did not Sterile. Please sterile after reconstitution using 0.22 µm filter.

- Expression system: E. coli BL21 strain

- Accession: Q6ICR7

- Protein length: Full length protein

- Animal free: Yes

- Carrier free: Yes

- Nature: Recombinant

- Predicted molecular weight: 8.7 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21 strain

Predicted molecular mass:≈ 8.7 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant Protein Mouse TNF-A needs to be sterilized by filtered from 0.22 µm filter.

Solubility: 20 µg/ml in water

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| 7. Safety |

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| 8. Quality Certifications |

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| 9. Further information |

This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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| 10. Other Kits |

Recombinant Human TNF-α, Recombinant Human IL-1,

Recombinant Human IL-2, Recombinant Human IL-4

Recombinant Human IL-6, Recombinant Human IL-8

Recombinant Human IL-10, Recombinant Human IL-12

Recombinant Human IL-13, Recombinant Human IL-17A

Recombinant Human IL-18, Recombinant Human IL-29

Recombinant Human IFN, Recombinant Human TGF

Recombinant Human VEGF, Recombinant Human CXCL10

Recombinant Human CXCL12, Recombinant Human CCL2

Recombinant Human CCL3