

Mouse TNF alpha Single-Use ELISA RSG Standard

Catalog Number: 39-8321

Also Known As: Tumor Necrosis Factor alpha, TNF α TNF-a

RUO: For Research Use Only

Product Information

Contents: Mouse TNF alpha Single-Use ELISA RSG Standard

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Handling Conditions: For best recovery, quick-spin vial prior to opening. For dilution of current stock, use ELISA Assay Diluent.

Source: E. coli expressed amino acids Leu 80-Leu 235 of mouse TNF- α (accession # NM_013693).

Purity: Greater than 98%, as determined by SDS-PAGE

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at less than or equal to -70°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

Mouse TNF- α is a 17 kDa factor produced by macrophages, monocytes, neutrophils, CD4⁺ T cells and NK cells. A 26 kDa form of TNF- α is expressed as a membrane-bound molecule. TNF- α is cytolytic and plays an important role in immune regulation. Dimers and trimers of TNF- α have been observed.

Applications Reported

Recombinant mouse TNF- α is biologically active. The intended use of the Recombinant Mouse TNF- α Single-Use ELISA RSG Standard is as a standard for mouse TNF- α Ready-SET-Go! ELISA and mouse TNF- α matched antibody pair ELISA. Typically the standard is run in a series of 7 doubling dilutions from the 'top' standard described below.

Instructions for use:

For Ready-SET-Go! ELISA Set (TMB substrate). Dilution: Add 10 μ l of standard solution to 10 ml of assay diluent to prepare the top standard solution (1000 pg/ml).

For matched antibody pair ELISA (ABTS or Super AquaBlue substrate). Dilution: Add 20 μ l of standard solution to 10 ml of assay diluent to prepare the top standard solution (2000 pg/ml).

Note: These are single-use vials. Use one time and discard. Dilute as suggested above, not difficult-to-measure fractions of the suggested volumes (e.g., not 0.5 μ l in 1.0 ml) or recovery may not be accurate. Use within 6 hours of dilution to top standard concentration.

Applications Tested

This cytokine standard has been calibrated, and subsequently tested by sandwich ELISA using the mouse TNF- α ELISA pair (TN3-19/rabbit polyclonal antibody).

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