

Product datasheet for **R1588**

Tumor necrosis factor (TNF-alpha) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, IP, R, WB
Recommended Dilution:	Suitable for use in : <u>Immunoblot</u> : Using HRP Goat-anti-Rabbit IgG [H&L] and TMB as a substrate. A working dilution range of 1:400-1:800 is suggested for this application to detect TNF α from supernatants or lysates of 2 x 10 ⁶ endotoxin-stimulated mouse peripheral blood mononuclear cells (PBMC). PBMC are stimulated for 24 hours with 1% (v/v) mouse serum plus 10 ng/mL E.coli LPS. <u>Immunohistochemistry</u> : A dilution range of 1:400 is suggested for this immunoassay. Either paraffin fixation or cryofixation can be used for immunohistochemistry using a dilution of 1:200 for staining of TNF α . <u>Immunoprecipitation</u> : A dilution range of 1:400-1:800 is suggested for this immunoassay. For immunoprecipitation, pre-clearing with a non-specific rabbit IgG is helpful to reduce background. <u>ELISA</u> : Using HRP Conjugated Anti-Rabbit IgG [H&L] (Goat) and ABTS as a substrate for 30 minutes at room temperature. A working dilution range of 1:1,000 to 1:2,000 is suggested for this product. For use in ELISA formats, this antibody is best used as the second antibody in combination with a monoclonal antibody as a capture antibody. <u>Radioimmunoassay</u> : A dilution of 1:8,000 is suggested. <u>Neutralization</u>
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant mouse TNF α produced in E. coli



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Specificity:	<p>This antiserum has been heated to 56°C for 30 minutes. The antiserum is directed against mature 17,000 MW mouse TNFα and is useful in determining its presence in various assays. The antibody does not recognize mouse TNFβ (lymphotoxin). This antiserum will recognize the cell-bound precursor of TNFα as a 26,000 protein in immunoblots, particularly in denatured samples. This antibody is also useful for neutralization of mouse activity in bioassays. It does not neutralize the biological activity of lymphotoxin. For neutralization, it is recommended to incubate the sample with a 1:200 dilution of the antibody for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended. It recognizes the 17,000 MW TNFα.</p> <p>Endotoxin content: < 10 pg/μl (by LAL method).</p>
Formulation:	<p>State: Serum State: Liquid (sterile filtered) serum without additives.</p>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	<p>Store vial at -20°C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing.</p>
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor
Database Link:	<p>Entrez Gene 21926 Mouse P06804</p>
Synonyms:	TNF, TNF-a, TNFA, TNFSF2, Cachectin