

## Product datasheet for **SM112P**

### Tumor necrosis factor (TNF-alpha) Rat Monoclonal Antibody [Clone ID: MP6-XT3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MP6-XT3
Applications:	ELISA, FC, WB
Recommended Dilution:	Western blot. ELISA: 5 µg/ml. Flow Cytometry: Membrane permeabilisation is required for this application.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant murine TNF-alpha expressed in E. coli.
Specificity:	This antibody is specific for tumour necrosis factor alpha (TNF alpha), also known as TNFSF2. Clone MP6-XT3 is reported to neutralise the effects of mouse TNF alpha. We recommend the use of SM112A for this purpose.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor
Database Link:	<a href="#">Entrez Gene 21926 Mouse P06804</a>



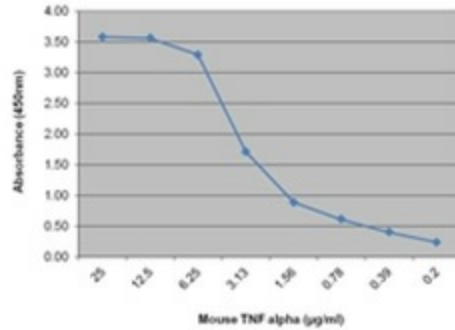
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**Background:**

This 17kDa cytokine is produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TNF alpha forms dimers and trimers, and is also found as a 26kDa integral membrane protein. Mouse TNF alpha has cytolytic activity against many tumour cell lines, and has an important immunoregulatory role.

**Synonyms:**

TNF, TNF-a, TNFA, TNFSF2, Cachectin

**Product images:**

Recombinant Mouse TNF alpha detected in a sandwich assay with Rat anti Mouse TNF alpha (SM112P) as the coating antibody; Rabbit anti Mouse TNF alpha:Biotin as the detection antibody and Streptavidin:HRP as the final layer.