

## Product datasheet for **SM1694P**

### Tumor necrosis factor (TNF-alpha) Rat Monoclonal Antibody [Clone ID: MP6-XT22]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MP6-XT22
Applications:	ELISA, FC, IHC
Recommended Dilution:	<b>ELISA:</b> 1-10 µg/ml. <b>Flow Cytometry:</b> Use 10 µl of 1/10-1/50 diluted antibody to label 1 <sup>0</sup> cells in 100 µl (Membrane permeabilisation is required). <b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Murine TNF-alpha expressed in <i>E. coli</i> .
Specificity:	This antibody is specific for tumour necrosis factor alpha (TNF alpha). Clone MP6-XT22 is reported to neutralise the effects of Mouse TNF alpha (PMID: 18535177, 7499860). We recommend the use of SM1694LE for neutralizing studies.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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>

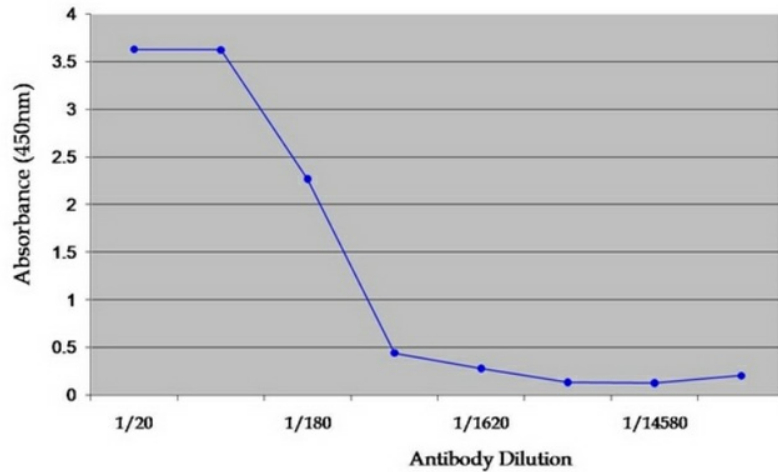


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**Background:** TNF alpha is a 17 KDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TNF alpha forms dimers and trimers, and is also found as a 26KDa integral membrane protein. Mouse TNF alpha has cytolytic activity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

**Synonyms:** TNF, TNF-a, TNFA, TNFSF2, Cachectin

**Product images:**



Recombinant Mouse TNF alpha detected with Rat anti Mouse TNF-alpha Antibody (Cat.-No SM1694P)