

Product datasheet for **SM1694LE**

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, FN, IHC
Recommended Dilution:	ELISA: 1-10 µg/ml.
	Functional Assays.
	Flow Cytometry: Use 10 µl of 1/50-1/100 diluted antibody to label 10 ⁶ cells in 100 µl (Membrane permeabilisation is required).
	Immunohistochemistry on Frozen Sections.
	This Clone is reported to work in Immunohistochemistry on Paraffin Sections.
Reactivity:	Mouse, Rat
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). Clone MP6-XT22 is reported to neutralise the effects of mouse TNF alpha (PMID: 18535177, 7499860).
Formulation:	PBS, pH 7.4 without preservatives. State: Low Endotoxin State: Liquid purified IgG fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	tumor necrosis factor
Database Link:	Entrez Gene 21926 Mouse P06804
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