



Anti-TNF monoclonal antibody, clone 69C7B4 (DMAB5442MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti-human tumor necrosis factor alpha monoclonal antibody is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Antigen Description	Tumor necrosis factor (TNF, cachexin or cachectin formerly known as tumor necrosis factor-alpha or TNF- α) is a cytokine involved in systemic inflammation and is a member of a group of cytokines that stimulate the acute phase reaction. It is produced chiefly by activated macrophages, although it can be produced by other cell types as well.
Specificity	This antibody is specific to a 17 kD protein. Tumor necrosis factor alpha (TNF- α) is a macrophage/monocyte cytokine. It is usually found as a soluble secreted protein. TNF- α has diverse immunomodulatory, anti-tumor, and toxic effects.
Immunogen	BALB/C mice were injected with recombinant human TNF- α .
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	69C7B4
Conjugate	Unconjugated
Applications	ELISA, IHC-P

Cellular Localization	Cytoplasmic and Extracellular
Positive Control	Skin and Lung
Format	This antibody is supplied as purified immunoglobulin fraction containing sodium azide as a preservative.
Preservative	See individual product datasheet
Storage	Store at 2-8°C. Do not use beyond the expiration date stated on the label.

GENE INFORMATION

Gene Name	TNF tumor necrosis factor [Homo sapiens]
Synonyms	TNF; tumor necrosis factor; DIF; TNFA; TNFSF2; TNF-alpha; APC1 protein; cachectin; Tumor necrosis factor ligand superfamily member 2; tumor necrosis factor alpha; tumor necrosis factor-alpha; OTTHUMP00000029281; TNF-α; TNF, monocyte-derived; macrophage-derived; TNF superfamily, member 2; TNF, macrophage-derived; Cachectin; tumor necrosis factor (TNF superfamily, member 2)
Entrez Gene ID	7124
Protein Refseq	NP_000585
UniProt ID	P01375
Chromosome Location	6p21.3
Pathway	Adipocytokine signaling pathway; Adipogenesis; African trypanosomiasis; Allograft rejection; Alzheimer's disease; Amoebiasis; Amyotrophic lateral sclerosis (ALS); Angiopoietin receptor Tie2-mediated signaling; Antigen processing and presentation; Apoptosis
Function	cytokine activity; identical protein binding; protease binding; protein binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding