



Anti-TNF monoclonal antibody, clone 3D9 (DMAB4480MH)

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

PRODUCT INFORMATION

Antigen Description	Tumor necrosis factor (TNF, cachexin or cachectin formerly known as tumor necrosis factor-alpha) is a cytokine involved in systemic inflammation and is a member of a group of cytokines that stimulate the acute phase reaction.
Specificity	Effective in inhibition of the biological activity of recombinant and natural TNF-alpha.
Immunogen	Human recombinant tumor necrosis factor of alpha type
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3D9
Affinity Constant	Not determined
Purification	Column chromatography
Conjugate	Unconjugated
Applications	Inhibition of biological activity of TNF-alpha in different biological fluids. Detection of TNF-alpha in two-site immunoassay. Immunohistochemistry using formalin-fixed frozen tissues. Not tested with paraffin-embedded sections. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pairs for sandwich immunoassay:

- **Capture**
[DMAB4480MH](#)
- **Detection**
[DMAB4481MH](#)

Format	Purified, Liquid
Concentration	6.3mg/ml (OD280nm, E0.1% = 1.4)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2–8°C.

GENE INFORMATION

Gene Name	TNF tumor necrosisfactor [Homo sapiens]
Official Symbol	TNF
Synonyms	TNF; tumor necrosis factor; DIF; TNFA; TNFSF2; TNF-alpha; tumor necrosis factor (TNF superfamily, member 2); superfamily, member 2; Tumor necrosis factor; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a; Tumor necrosis factor, membrane form; Tumor necrosis factor, soluble form; cachectin; APC1 protein; OTTHUMP00000029281; TNF, monocyte-derived; TNF, macrophage-derived; TNF superfamily, member 2; tumor necrosis factor alpha; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2
Entrez Gene ID	7124
Protein Refseq	NP_000585
UniProt ID	P01375
Chromosome Location	6p21.3
Pathway	Adipocytokine signaling pathway; Amoebiasis; African trypanosomiasis; Allograft rejection; Angiopoietin receptor Tie2-mediated signaling; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Death Receptor Signalling; Extrinsic Pathway for A
Function	cytokine activity; identical protein binding; protease binding; protein binding; transcription regulatory region DNA binding; tumor necrosis factor receptor binding