

Product datasheet for **AM33298PU-S**

TGF alpha (TGFA) Mouse Monoclonal Antibody [Clone ID: MF9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MF9
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use free BSA Antibody for coating. Western Blotting: 0.5-1.0 µg/ml. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Immunoprecipitation: 1-2 µg/500 µg protein lysate. Immunohistochemistry on Frozen Sections: 1-2 µg/ml for 30 minutes at RT. Positive Control: Jurkat or Ramos cells, Heart, Kidney, Pituitary, Breast cancer.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A 17-amino acid synthetic peptide from the carboxyl-terminus of Rat TGF-alpha.
Specificity:	This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with Antibody is completely blocked by the peptide used for raising this antibody. Cellular Localization: Cytoplasmic and secreted.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.



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Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~6 kDa
Gene Name:	transforming growth factor alpha
Database Link:	Entrez Gene 7039 Human P01135
Background:	TGF-alpha (aa 50) is a growth factor with 33% homology to EGF, binds to EGFR, activates tyrosine phosphorylation of the receptor, and stimulates cell proliferation. It plays a role in tumor initiation by inducing the reversible transformed phenotype.
Synonyms:	Transforming growth factor alpha, ETGF