

Product datasheet for **AM50311PU-S**

TGF alpha (TGFA) Mouse Monoclonal Antibody [Clone ID: P/T1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	P/T1
Applications:	FC, IF, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Western Blotting (Not tested). Immunofluorescence: 0.5-1 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 and Formalin-Fixed Sections: 1-2 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: Jurkat or Ramos cells, Heart, Kidney, Pituitary, Breast cancer.
Reactivity:	Human, Rabbit, Zebrafish
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A 10-amino acid synthetic peptide (aa34-43) from human TGF α .
Specificity:	This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with this Monoclonal Antibody is completely blocked by the peptide used for raising this antibody. TGF α (aa50) 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. Cellular Localization: Cytoplasmic and secreted.



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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.
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
Synonyms:	Transforming growth factor alpha, ETGF