

Product datasheet for **AM50174PU-S**

TGF alpha (TGFA) Mouse Monoclonal Antibody [Clone ID: SPM542]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM542
Applications:	FC, IF, IHC
Recommended Dilution:	Western Blotting (Not tested). Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 1-2 µg/ml. Immunohistochemistry on Formalin-Fixed Paraffin 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, Melanoma.
Reactivity:	Human, Rabbit, Zebrafish
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	A 10-amino acid synthetic peptide (aa34-43) from Human TGFα.
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. TGFα (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 Extracellular (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



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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

Product images:

Formalin-paraffin human Testicular Carcinoma
Stained with TGF alpha MAb (SPM542)