

## Product datasheet for **AM50312PU-S**

### TGF alpha (TGFA) Mouse Monoclonal Antibody [Clone ID: TG86+P/T1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TG86+P/T1
Applications:	FC, IF, IP, WB
Recommended Dilution:	<b>Western Blotting</b> (Not tested). <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Sections:</b> 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. <b>Positive Control:</b> 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 TGFα (TG86 and P/T1).
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. <b>Cellular Localization:</b> 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



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<b>Purification:</b>	Protein A/G Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	~6 kDa
<b>Gene Name:</b>	transforming growth factor alpha
<b>Database Link:</b>	<a href="#">Entrez Gene 7039 Human P01135</a>
<b>Synonyms:</b>	Transforming growth factor alpha, ETGF