

Product datasheet for **AM50310PU-T**

TGF alpha (TGFA) Mouse Monoclonal Antibody [Clone ID: TG86]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | TG86 |
| Applications: | FC, IF, IP, WB |
| Recommended Dilution: | ELISA: Use BSA free Antibody for coating. Western Blotting (Not tested) 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, Melanoma. |
| Reactivity: | Human, Rabbit, Zebrafish |
| Host: | Mouse |
| Isotype: | IgG1 |
| 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 MAb 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 secreted. |
| Formulation: | 10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide |



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| 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 |