

## TGF-alpha (Transforming Growth Factor alpha) Antibody

Mouse Monoclonal Antibody [Clone SPM542]

Catalog No	Format	Size
7039-MSM2X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7039-MSM2X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7039-MSM2X-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

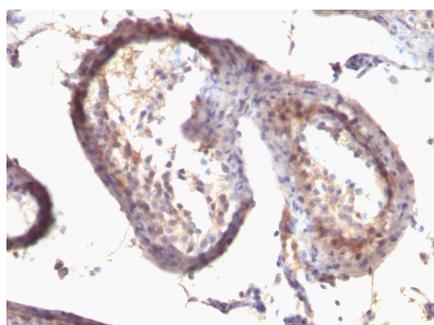
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

<b>Clone</b>	SPM542
<b>Gene Name</b>	TGFA
<b>Immunogen</b>	A 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGF?
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgM / Kappa
<b>Mol. Weight of Antigen</b>	6kDa
<b>Cellular Localization</b>	Cell membrane, Extracellular space, Secreted
<b>Species Reactivity</b>	Human, Rabbit, Zebrafish
<b>Positive Control</b>	Breast Cancer, Heart, Jurkat or Ramos cells, Kidney, Melanoma., Pituitary

\*Optimal dilution for a specific application should be determined.

### Product Images for TGF-alpha (Transforming Growth Factor alpha) Antibody



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha Monoclonal Antibody (SPM542)

### Specificity & Comments

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. TGF (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.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

AKT Signaling, Angiogenesis, Cardiovascular, Infectious Disease, Signal Transduction, Transcription Factors

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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