

### 36-1725: Monoclonal Antibody to TGF-alpha (Transforming Growth Factor alpha)(Clone : MF9)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MF9
<b>Application :</b>	ELISA,IF,IHC
<b>Reactivity :</b>	Human, Rat, Mouse
<b>Gene :</b>	TGFA
<b>Gene ID :</b>	7039
<b>Uniprot ID :</b>	P01135
<b>Format :</b>	Purified
<b>Alternative Name :</b>	TGFA
<b>Isotype :</b>	Mouse IgG1, kappa

**Immunogen Information :** A 17-amino acid synthetic peptide from the carboxyl-terminus of Rat TGF Alpha.

#### Description

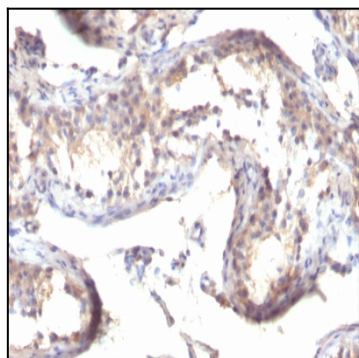
This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with Ab-1 is completely blocked by the peptide used for raising this antibody. TGF $\alpha$  (aa50) is a growth factor with 33% homology to EGF, binds to EGFR, activates tyrosine phosphorylation of the receptor, and stimulates cell proliferation. It plays a role in tumor initiation by inducing the reversible transformed phenotype.

#### Product Info

<b>Amount :</b>	100 $\mu$ g
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 $\mu$ g in 500 $\mu$ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 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);



Formalin-fixed, paraffin-embedded human Testicular Carcinoma Stained with TGF alpha Monoclonal Antibody (MF9)