

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

Mouse Monoclonal Antibody [Clone MF9]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 7039-MSM1-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 7039-MSM1-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 7039-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

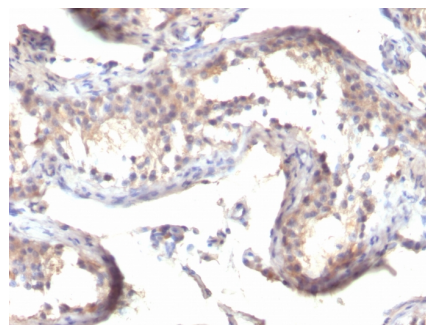
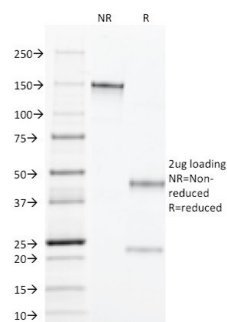
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunofluorescence (IF)    | 1-3ug/ml         |   |
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 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>                  | MF9  |
| <b>Gene Name</b>              | TGFA   |
| <b>Immunogen</b>              | A 17-amino acid synthetic peptide from the carboxyl-terminus of rat TGF $\alpha$ ? (exact sequence is proprietary) |
| <b>Host</b>                   | Mouse  |
| <b>Clonality</b>              | Monoclonal   |
| <b>Isotype / Light Chain</b>  | IgG1 / Kappa   |
| <b>Mol. Weight of Antigen</b> | 6kDa   |
| <b>Cellular Localization</b>  | Cell membrane, Extracellular space, Secreted   |
| <b>Species Reactivity</b>     | Cow, Human, Mouse, Rat   |
| <b>Positive Control</b>       | Jurkat or Ramos cells. Testicular Carcinoma.   |

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

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



SDS-PAGE Analysis of Purified TGF alpha Mouse Monoclonal Antibody (MF9). Confirmation of Integrity and Purity of Antibody.

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

**Specificity & Comments**

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 (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.

---

**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.

---

**Supplied As**

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. 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 without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

---

**Research Areas**

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

---