

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone SPM357 ]**  
**Catalog # AH10761**

**Specification**

---

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Product Information**

Application	,3,4,
Primary Accession	<a href="#">P01135</a>
Other Accession	<a href="#">7039</a> , <a href="#">170009</a>
Reactivity	Human, Mouse, Rat, Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	~6kDa kDa

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Additional Information**

**Gene ID** 7039

**Other Names**

Protransforming growth factor alpha, Transforming growth factor alpha, TGF-alpha, EGF-like TGF, ETGF, TGF type 1, TGFA

**Format**

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**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Protein Information**

**Name** TGFA

**Function**

TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.

**Cellular Location**

[Transforming growth factor alpha]: Secreted, extracellular space

**Tissue Location**

Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Images****TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - Background**

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.

**TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide - References**

Kobrin MS et. al. J Bio Chem, 1986, 261:14414-9. | Kudlow JE et. al. Endocrinology, 1987, 121(4):1577-9. | Kobrin MS et. al. Endocrinology, 1987, 121(4):1412-6. | Kudlow JE et. al. J Bio Chem, 1989, 264(7):3880-3 |