TGF-alpha (Transforming Growth Factor alpha) Antibody - With BSA and Azide
Purified Mouse Monoclonal Antibody
Catalog # AH10307

**Specification**

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**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

**Target/Specificity**
A 10-amino acid synthetic peptide (aa34-43) from human TGFα.

**Format**
0.5 ml at 200ug/ml with BSA and azide

**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 - Background**

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.

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

1. Bebok Z; Szekeres G; Horvath G; Duda E; Nemeth P. [Creation of monoclonal antibodies against tumor necrosis factor-alpha (TNF-alpha) and transforming growth factor alpha (TGF-alpha), their definition and possible use]. Orvosi Hetilap, 1993, 134(24):1303-7. Language: Hungarian.
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