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

Specification

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

Application  ELISA, FC, IP, WB, IHC
Primary Accession  P01135
Other Accession  P48030
Reactivity  Human, Zebrafish, Rabbit
Host  Mouse
Clonality  Monoclonal
Isotype  IgG1, kappa
Clone Names  P/T1
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

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 - Protein Information

Name  TGFA

Function  TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to

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 (TFG-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