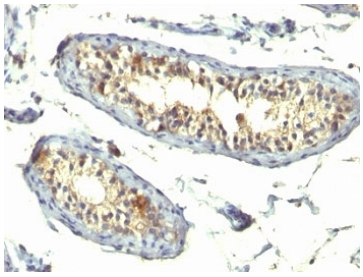
# TGF-alpha Antibody Cocktail [clone TG86 + P/T1] (V2887)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2887-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2887-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2887SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

## Bulk quote request

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | TG86 + P/T1 |
| **Purity** | PEG precipitation |
| **UniProt** | P01135 |
| **Localization** | Cytoplasmic and extracellular (secreted) |
| **Applications** | Flow cytometry: 1-2ug/10^6 cells<br>Immunofluorescence: 1-2ug/ml<br>Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT |
| **Limitations** | This TGF-alpha antibody cocktail is available for research use only. |



IHC: Formalin-fixed, paraffin-embedded human testicular carcinoma stained with TGF-alpha antibody (TG86 + P/T1).

## Description

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. TGFa 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.

## Application Notes

Optimal dilution of the TGF-alpha antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

## Immunogen

Amino acids 34-43 (PPVAAAVVSH) from the human protein were used as the immunogen for the TGF-alpha antibody.

## Storage

Store the TGF-alpha antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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