

## TGF alpha Antibody [clone 1E8-G6] (V2267)

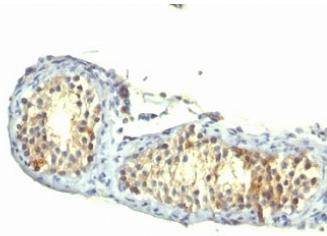
Catalog No.	Formulation	Size
V2267-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2267-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2267SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (4)

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Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	1E8-G6
Purity	PEG precipitation
Buffer	1X PBS, pH 7.4
Gene ID	7039
Localization	Cytoplasmic and secreted
Applications	Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 2-4ug/ml for 30 min at RT
Limitations	This TGF alpha antibody is available for research use only.



Formalin-fixed, paraffin-embedded human testicular carcinoma stained with TGF-alpha antibody (1E8-G6)

## Description

TGF alpha 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. This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. Staining with the antibody is completely blocked by the peptide used for raising this antibody.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.

## Immunogen

A 10-amino acid synthetic peptide (aa 34-43) from human TGF alpha was used as the immunogen for this antibody.

## Storage

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

## Alternate Names

EGF-like TGF; ETGF; TFGA; TGF Type 1; TGFA; Wa1; Waved 1, TGF alpha antibody

## References (2)