

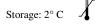
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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

TGF-alpha (Transforming Growth Factor alpha); Clone P/T1 (Concentrate)

Availability/Contents:	Item # Volume BA0307-C.5 0.5 ml
Description:	
Species: Immunogen:	Mouse A 10-amino acid synthetic peptide (aa 34-43) from human TGFα.
Clone: Isotype: Entrez Gene ID:	P/T1 IgG1, kappa 7039 (Human)
Hu Chromosome Loc.: Synonyms: Mol. Weight of Antigen:	2p13.3 EGF-like TGF; ETGF; TFGA; TGF Type 1; TGFA; Wa1; Waved 1. ~6kDa
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	This antibody reacts with TGF-alpha and shows no cross-reaction with EGF or the neuropeptide synenkephalin. The staining with this antibody is completely blocked by the peptide used for raising the antibody.
Background:	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.
Species Reactivity: Positive Control: Cellular Localization: Titer/ Working Dilution:	Human, Rabbit, and Zebrafish. Others not known.Jurkat or Ramos cells. Heart, kidney, pituitary, breast cancer, melanoma.Cytoplasmic and SecretedImmunohistochemistry (Frozen and Formalin-fixed):1-2 μg/mlFlow Cytometry:0.5-1 μg/million cellsImmunofluorescence:1-2 μg/mlImmunoprecipitation:1-2 μg/500μg protein lysate
Microbiological State:	This product is not sterile.









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Doc: IFU-Template2-8rev2



Instructions For Use RA0307-C.5-IFU-RUO

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Uses/Limitations:

Not to be taken internally. For Research Use Only. This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Do not use if reagent becomes cloudy. Do not use past expiration date. Non-Sterile.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

- 1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
- Primary Antibody Incubation Time: We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
- 3. **Visualization:** For maximum staining intensity we recommend the "UltraTek HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# UHP125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

 Precautions:
 Contains Sodium Azide as a preservative (0.09% w/v).

 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.

 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

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.
- Bebok Z; Markus B; Nemeth P. Prognostic relevance of transforming growth factor alpha (TGF-alpha) and tumor necrosis factor alpha (TNFalpha) detected in breast cancer tissues by immunohistochemistry. Breast Cancer Research and Treatment, 1994, 29(3):229-35.
- Nasim, M. M., Thomas, D. M., Alison, M. R., and Fil]ipe, M. I. Transforming growth factor a expression in normal gastric mucosa, intestinal metaplasia, dysplasia and gastric carcinoma – an immunohistochemical study, Histopathology. 20: 339-343, 1992.

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