

Anti-TGF-alpha (Transforming Growth Factor alpha) Monoclonal Antibody

Catalog Number: M01779

About TGFA

This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with This monoclonal antibody is completely blocked by the peptide used for raising this antibody. TGF (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.

Overview

Product Name	Anti-TGF-alpha (Transforming Growth Factor alpha) Monoclonal Antibody
Reactive Species	Human, Rabbit, Zebrafish
Description	Boster Bio Anti-TGF-alpha (Transforming Growth Factor alpha) Monoclonal Antibody (Catalog # M01779). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Rabbit, Zebrafish.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: TG86 + P/T1
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P01135

Technical Details

Immunogen	A 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGFalpha (TG86 & P/T1)
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa + IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified by Protein L.



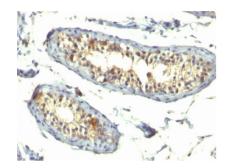
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Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this
	kit.
	If the expected range of concentration is unknown, a pilot test should be conducted to decide the
	optimal dilution ratio for your samples.
	Some PubMed article(s) citing the expression level of this target are as follows:
	Boster Bio's internal QC testing used:
	Flow Cytometry (1-2ug/million cells)
	Immunofluorescence (1-2ug/ml)
	Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 min at RT)(Staining of formalin-fixed
	tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at
	95°C followed by cooling at RT for 20 minutes)
	Optimal dilution for a specific application should be determined.
	Specifical distriction of a specific application should be determined.



Anti-TGF-alpha (Transforming Growth Factor alpha) Monoclonal Antibody (M01779) Images



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with Anti-TGF alpha Monoclonal Antibody (TG86 + P/T1).

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