

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.

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:

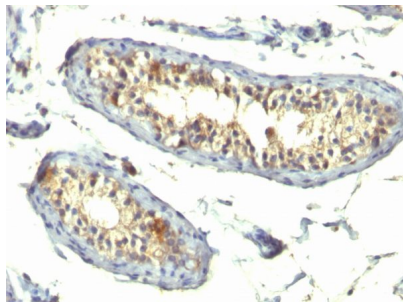
Flow Cytometry (1-2ug/million cells)

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.

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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