abcam

ab9578

Anti-TGF alpha antibody [P/T1]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Preservative: 0.097% Sodium azide Constituents: Tris HCl, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Synthetic Peptide within Human Protransforming growth factor alpha aa 1-50. The exact immunogen used to generate this antibody is proprietary information. Database link P01135
Clone number	P/T1
Purification technique	Affinity purification Protein A
Specificity	This antibody was selected and evaluated immunoserologically for recombinant human TGF-alpha and synthetic (uncoupled) peptides using simple binding and competitive ELISA. Immunohistochemical characterization of the anti-TGF-alpha monoclonal antibody was made on different human carcinomas. Recommended for immunohistochemical detection of TGF-alpha production in human tumor cells, immunoserological monitoring of progression of malignant tumours and for screening of therapeutic efficiency of different human tumors.
Light chain type	kappa
Concentration	0.2 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	1/100
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1 µg for 10^6 Cells
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target data

See full target information Protransforming growth factor alpha

Function	TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

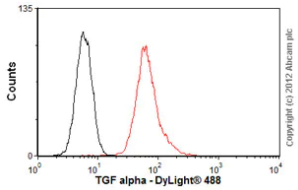
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

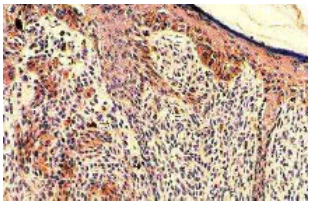
2 product images



Flow Cytometry - Anti-TGF alpha antibody [P/T1] (ab9578)

TGF alpha Flow Cytometry staining using mouse Anti-TGF alpha antibody

Overlay histogram showing A431 cells stained with ab9578 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab9578, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.
Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TGF alpha antibody [P/T1] (ab9578)

Immunohistochemical characterization of the anti-TGF-a monoclonal antibody ab9578 on human melanoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.