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36-3250: Anti-TGF-alpha (Transforming Growth Factor alpha) Monoclonal Antibody(Clone: SPM357)

Clonality :	Monoclonal
Clone Name :	SPM357
Application :	FACS,IF
Reactivity :	Human, Rat, Mouse
Gene :	TGFA
Gene ID :	7039
Uniprot ID :	P01135
Alternative Name :	EGF-like TGF; ETGF; TFGA; TGF Type 1; TGFA; Wa1; Waved 1
Isotype :	Mouse IgG1, kappa
Immunogen Information :	A 17-amino acid synthetic peptide from the carboxyl-terminus of rat TGFα.

Description

This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with Ab-1 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

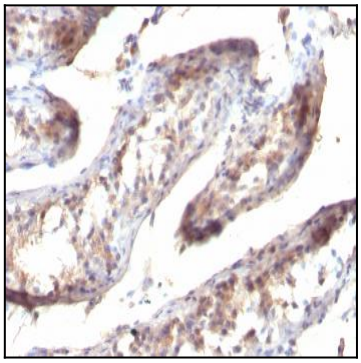

Fig. 1: Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha Mouse Monoclonal Antibody (SPM357)

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