

36-1728: Monoclonal Antibody to TGF-alpha (Transforming Growth Factor alpha)(Clone : SPM542)

Clonality :	Monoclonal
Clone Name :	SPM542
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	TGFA
Gene ID :	7039
Uniprot ID :	P01135
Format :	Purified
Alternative Name :	TGFA
Isotype :	Mouse IgM, kappa
Immunogen Information :	A 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGF Alpha.

Description

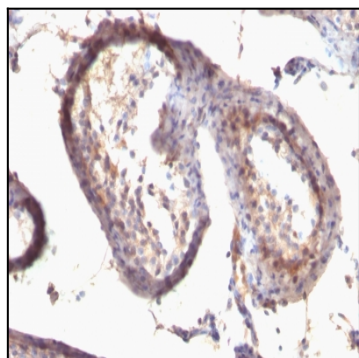
This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with this MAb is completely blocked by the peptide used for raising this antibody. TGF α (aa50) is a growth factor with 33% homology to EGF, binds to EGFR, activates tyrosine phosphorylation of the receptor, and stimulates cell proliferation. It plays a role in tumor initiation by inducing the reversible transformed phenotype.

Product Info

Amount :	100 μ g
Purification :	Affinity Chromatography
Content :	100 μ g in 500 μ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

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



Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha Monoclonal Antibody (SPM542)