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

Clonality: Monoclonal SPM542 **Clone Name:** Application: FACS, IF, IHC Reactivity: Human Gene: **TGFA** Gene ID: 7039 **Uniprot ID:** P01135 Format: **Purified**

Isotype: Mouse IgM, kappa

TGFA

Immunogen Information: A 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGF Alpha.

Description

Alternative Name:

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 (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: $100 \mu g$

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

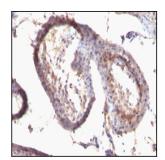
toxic.

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)