TGFB3 / PEIG-1 / RAI3 / RAIG1 / TIG1 Antibody

Mouse Monoclonal Antibody [Clone TGFB3/4801]

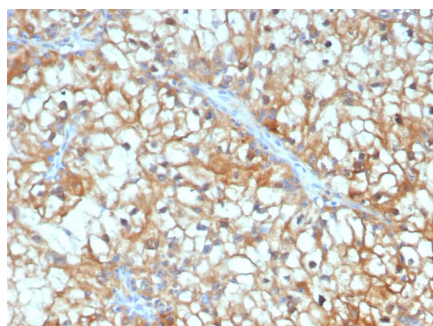| Catalog No	Format	Size
7043-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7043-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7043-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

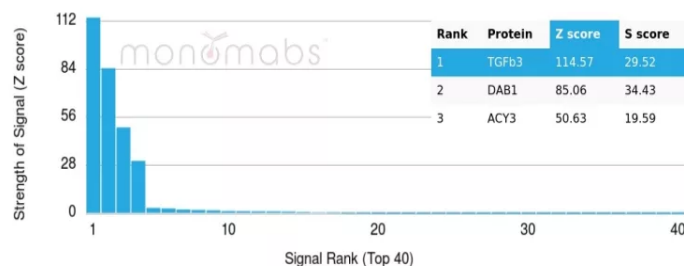| Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	TGFB3/4801
Gene Name	TGFB3
Immunogen	Recombinant fragment (around aa50-250) of human TGFB3 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	13kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	heart or lung.|Human kidney

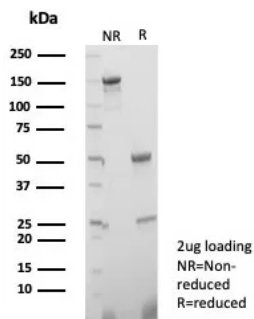*Optimal dilution for a specific application should be determined.*

Product Images for TGFB3 / PEIG-1 / RAI3 / RAIG1 / TIG1 Antibody

Formalin-fixed, paraffin-embedded human renal cell carcinoma stained with TGFB3 Mouse Monoclonal Antibody (TGFB3/4801). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TGFB3 Mouse Monoclonal Antibody (TGFB3/4801). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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SDS-PAGE Analysis of Purified TGFB3 Mouse Monoclonal Antibody (TGFB3/4801). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Transforming growth factor ?s (TGF?s) were originally discovered due to their ability to promote anchorage-independent growth of rat NRK fibroblasts in the presence of TGF?. TGF?1, TGF?2 and TGF?3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecules. TGF?3 mediates many intercellular interactions that occur during embryonic development, cell differentiation and epithelial homeostasis. TGF?3 overexpresses in extramammary Paget s disease (EPD) and downregulates in Bowen s disease, indicating that its expression is a useful indicator of tumor activity. TGF?3 levels strongly correlate with IGF-1 and osteocalcin levels in serum. Significant amounts of TGF?3 circulation appear to be representative of TGF?3 expression in bone and may in part be derived from bone. Glucocorticoids may block TGF? production by modulating mRNA levels and c-Jun activity.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/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 and Stability

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.

Research Areas

AKT Signaling, Angiogenesis, Cardiovascular, Colon Cancer, Complement System, MAPK Signaling, Mesenchymal Stem Cell Differentiation, Neuroinflammation, Signal Transduction

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