

Mouse TGF-alpha Monoclonal Antibody | anti-TGFA antibody

TGF-alpha

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62554	Mouse	Human, Cow, Rat, Mouse.	Immunohistochemistry, Western Blot, Immunoprecipitation, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

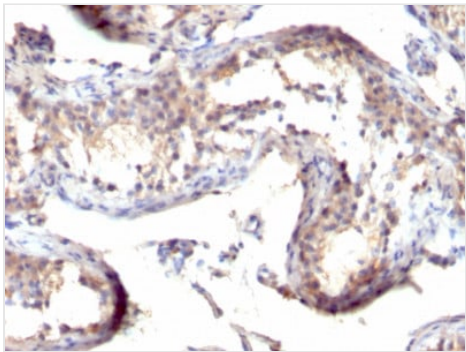
PRODUCT SYNONYMS

TGF-alpha; Monoclonal Antibody; EGF-like TGF; ETGF; TFGA; TGF Type 1; TGFA; Wa1; Waved 1; anti-TGFA antibody

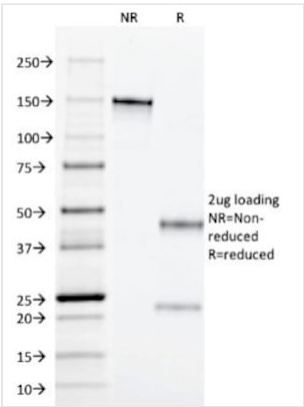
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cow, Rat, Mouse.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	MF9
Specificity	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. TGFalpha (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.
Form/Format	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.
Sequence Length	159
Applicable Applications for anti-TGFA antibody	IHC (Immunohistochemistry), WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Cellular Localization	Cell membrane, Extracellular space, Secreted
Positive Control	Jurkat or Ramos cells. Testicular Carcinoma.
Human Chromosomal Location	2p13.3
Immunogen	A 17-amino acid synthetic peptide from the carboxyl-terminus of rat TGFalpha.
Preparation and Storage	Antibody without azide - store at -20 to -80°C. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with TGF alpha
Mouse Monoclonal Antibody (MF9)



SDS-PAGE
SDS-PAGE Analysis of Purified TGF alpha Mouse Monoclonal Antibody (MF9). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Kobrin MS et. al. J Bio Chem, 1986, 261:14414-9. 2. Kudlow JE et. al. Endocrinology, 1987, 121(4):1577-9. 3. Kobrin MS et. al. Endocrinology, 1987, 121(4):1412-6. 4. Kudlow JE et. al. J Bio Chem, 1989, 264(7):3880-3
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153791414
NCBI GeneID	7039
NCBI Accession #	NP_001093161.1
NCBI GenBank Nucleotide #	NM_001099691.2
UniProt Accession #	P01135; P48030
Molecular Weight	~6kDa
NCBI Official Full Name	protransforming growth factor alpha isoform 2 preproprotein
NCBI Official Synonym Full Names	transforming growth factor, alpha
NCBI Official Symbol	TGFA
NCBI Official Synonym Symbols	TFGA
NCBI Protein Information	protransforming growth factor alpha; TGF-alpha
UniProt Protein Name	Protransforming growth factor alpha
UniProt Gene Name	Tgfa
UniProt Synonym Gene Names	TGF-alpha; ETGF
UniProt Entry Name	TGFA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.