

ARG55982 anti-TGF alpha antibody [MF9]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [MF9] recognizes TGF alpha
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	MF9
Isotype	IgG1, kappa
Target Name	TGF alpha
Species	Rat
Immunogen	Synthetic peptide around 17 aa (C-terminus) of Rat TGF alpha.
Conjugation	Un-conjugated
Alternate Names	ETGF; EGF-like TGF; TFGA; Protransforming growth factor alpha; TGF-alpha; TGF type 1

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 4 µg/ml

Application Note
IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Tris with 1 mM EDTA (pH 9.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

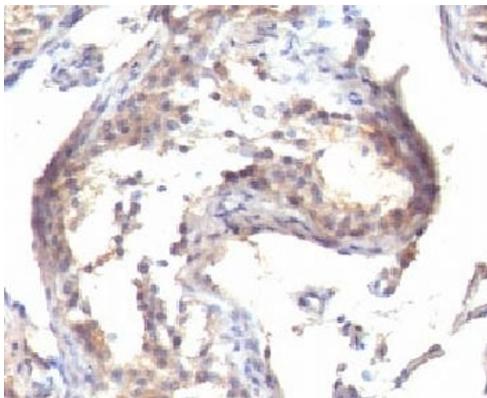
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	Tgfa
Gene Full Name	transforming growth factor, alpha
Background	This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Function	TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar. [UniProt]
Calculated Mw	17 kDa
Cellular Localization	Cytoplasmic and secreted

Images



ARG55982 anti-TGF alpha antibody [MF9] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human testicular carcinoma stained with ARG55982 anti-TGF alpha antibody [MF9].