

Product datasheet

anti-TGF-alpha mouse monoclonal, 1E8-G6, purified

Short overview

Cat. No.	691508
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM kappa
Clone	1E8-G6
Immunogen	Synthetic TGF-alpha 34-43 decapeptide linked carrier
Formulation	PBS with 0.02% sodium azide
UniprotID	P01135 (Human), P98138 (Rabbit), Q7T011 (Zebrafish, Brachydanio rerio)
Synonym	Protransforming growth factor alpha [Cleaved into: Transforming growth factor alpha, TGF-alpha, EGF-like TGF, ETGF, TGF type 1], TGFA
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, FACS, IHC, WB
Reactivity	Human, Rabbit, Zebrafish

Applications

ELISA	Assay dependent
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

1E8-G6 reacts with TGF-alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. 1E8-G6 is completely blocked by the peptide used for immunization. TGF-alpha (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. In sections both cytoplasm and cell membranes are stained.

Positive control: Jurkat or Ramos cells, testicular carcinoma, breast cancer.

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Product images



Human testicular cancer