TGF alpha Conjugated Antibody

Catalog No: #C49822

Package Size: #C49822-AF350 100ul #C49822-AF405 100ul #C49822-AF488 100ul #C49822-AF555 100ul #C49822-AF594 100ul #C49822-AF647 100ul #C49822-AF680 100ul #C49822-AF750 100ul #C49822-Biotin 100ul

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Description

Product Name	TGF alpha Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EGF like TGF antibody EGF-like TGF antibody ETGF antibody TFGA antibody TGF A antibody TGF type 1 antibody TGF-alpha antibody Tgfa antibody TGFA_HUMAN antibody Transforming growth factor alpha antibody Transforming growth factor alpha precursor antibody Wa1 antibody Waved 1 antibody
Accession No.	Swiss-Prot#:P01135
Uniprot	P01135
GeneID	7039;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	17 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Transforming growth factor-α (TGFα) is an acid- and heat-stable 50 amino acid protein originally found in rodents and humans. TGFα is 33% homologous at the amino acid level to epidermal growth factor (EGF). TGFα binds to the EGF receptor, mediates tyrosine phosphorylation of the receptor and promotes anchorage-independent growth of normal rat fibroblasts in soft agar in the presence of transforming growth factor-β. TGFα is secreted by a variety of transformed cells and tumors, embryonic cells and some normal adult cells. TGFα bioactivity has been found in the urine of cancer patients. It has been suggested that it may act as an autocrine growth factor for the induction or maintenance of malignancy.

Note: This product is for in vitro research use only