

TGF-Beta 1 Conjugated Antibody

Catalog No: #C48569



Package Size: #C48569-AF350 100ul #C48569-AF405 100ul #C48569-AF488 100ul

#C48569-AF555 100ul #C48569-AF594 100ul #C48569-AF647 100ul

#C48569-AF680 100ul #C48569-AF750 100ul #C48569-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	TGF-Beta 1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Cartilage-inducing factor antibody CED antibody Differentiation inhibiting factor antibody DPD1 antibody LAP antibody Latency-associated peptide antibody Prepro transforming growth factor beta 1 antibody TGF beta 1 antibody TGF beta antibody TGF beta 1 protein antibody TGF-beta 1 protein antibody TGF-beta-1 antibody TGF-beta-5 antibody TGF-beta1 antibody TGFB antibody Tgfb-1 antibody tgfb1 antibody TGFB1_HUMAN antibody TGFbeta antibody TGFbeta1 antibody Transforming Growth Factor b1 antibody Transforming Growth Factor beta 1 antibody Transforming growth factor beta 1a antibody transforming growth factor beta-1 antibody transforming growth factor, beta 1 antibody Transforming Growth Factor-?1 antibody
Accession No.	Swiss-Prot#:P01137
Uniprot	P01137
GeneID	7040;
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	44 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

Many cells synthesize TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts. Heterodimers of TGFB1/TGFB2 have been found in bone. Interacts with CD109 and DPT. Interacts with ASPN. Function: TGF beta 2 has suppressive effects on interleukin-2 dependent T-cell growth. Tissue specificity: TGF beta 1 is highly expressed in bone. A chromosomal aberration involving TGFB2 is found in a family with Peters anomaly.

Note: This product is for in vitro research use only