

TGF Beta 1+2+3 Antibody FITC Conjugated

Catalog No: #C05306F

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	TGF Beta 1+2+3 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 280-330 390 derived from human TGF Beta 1
Conjugates	FITC
Target Name	TGF Beta 1+2+3
Other Names	CED; LAP; DPD1; TGFB; TGFbeta; Transforming growth factor beta-1; TGF-beta-1; TGFB1
Accession No.	Swiss-Prot#P01137NCBI Gene ID7040
Uniprot	P01137
GeneID	7040;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular, Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. 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. Can promote either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. At high concentrations, leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression, favoring Treg cell development. At low concentrations in concert with IL-6 and IL-21, leads to expression of the IL-17 and IL-23 receptors, favoring differentiation to Th17 cells.

Note: This product is for in vitro research use only