

For Research Use Only

CoraLite® Plus 555-conjugated TGF Beta 1 Recombinant monoclonal antibody

Catalog Number:**CL555-81746-2**

Featured Product



Basic Information

Catalog Number:	CL555-81746-2	GenBank Accession Number:	BC000125	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	7040	CloneNo.:	230544B7
Isotype:	IgG	UNIPROT ID:	P01137	Recommended Dilutions:	IF/ICC: 1:50-1:500
Immunogen Catalog Number:	AG13591	Full Name:	transforming growth factor, beta 1	Excitation/Emission maxima wavelengths:	554 nm / 570 nm
		Calculated MW:	44 kDa		
		Observed MW:	44 kDa		

Applications

Tested Applications:	IF/ICC	Positive Controls:
Species Specificity:	human, mouse, rat	IF/ICC : HEK-293 cells,

Background Information

TGF Beta 1 (TGF- β 1) is a pleiotropic cytokine and a member of the TGF- β superfamily (including TGF- β 1, TGF- β 2, and TGF- β 3). It is encoded by the TGF β 1 gene and acts as a secreted protein involved in controlling cell growth, proliferation, differentiation, and apoptosis. TGF- β 1 is produced by various cell types (e.g., platelets, lymphocytes, macrophages, epithelial cells, and inflammatory cells) and is secreted as a precursor requiring proteolytic activation to yield the mature, biologically active peptide. TGF- β 1 plays crucial roles in immune regulation, wound healing, fibrosis, and tissue remodeling (including cardiac injury and fibrosis). It also influences cancer progression by promoting epithelial-to-mesenchymal transition (EMT) and metastasis in tumors.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

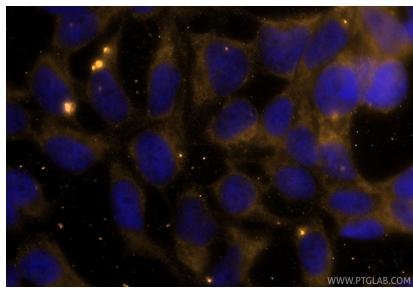
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)
fixed HEK-293 cells using CoraLite® Plus 555 TGF
Beta 1 antibody (CL555-81746-2, Clone: 230544B7)
at dilution of 1:200.