

Datasheet for ABIN1109227
anti-TGFB1 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	1 mL
Target:	TGFB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA), Neutralization (Neut)

Product Details

Clone:	TB21
Isotype:	IgG1
Specificity:	The antibody detects human TGF beta 1 (and has been used in sheep, see "Applications"). Other species not tested. In flow cytometry this antibody detects the intracellular form of TGF-beta (so-called latent, LAP-bound or inactive TGF-beta) as well as with membrane bound TGF-beta (extracellular matrix form). Western blotting demonstrated that this antibody reacts with the dimeric (25 kDa) and monomeric (12,5 kDa) forms of TGF-beta (active form) under both non-reducing and reducing conditions respectively. In ELISA the antibody recognizes both human platelet-derived and recombinant TGF-beta.
Purification:	Affinity chromatography

Target Details

Target:	TGFB1
Alternative Name:	TGFB1 (TGFB1 Products)
Background:	Transforming Growth Factor-Beta (TGF-beta, TGFB) was originally identified for its ability to induce phenotypic transformation of fibroblasts in diverse cell types. This protein controls proliferation, differentiation, and many other functions of various cell types. TGFB is present on most cell types including T cells and monocytes.Synonyms: TGF-beta-1, TGFB, Transforming growth factor beta-1
Gene ID:	7040
NCBI Accession:	NP_000651
UniProt:	P01137
Pathways:	EGFR Signaling Pathway , Dopaminergic Neurogenesis , Cellular Response to Molecule of Bacterial Origin , Glycosaminoglycan Metabolic Process , Regulation of Leukocyte Mediated Immunity , Regulation of Muscle Cell Differentiation , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Ribonucleoside Biosynthetic Process , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy , Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	0.01 M sodium phosphate, 0.15 M NaCl, pH 7.3, 0.2 % BSA, 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C. Fluorochrome labelled product is photosensitive and should be protected from light.

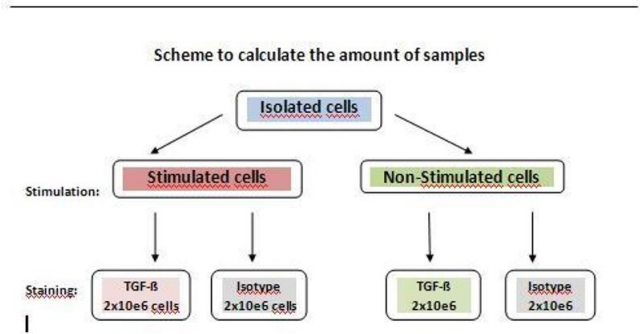


Image 1.

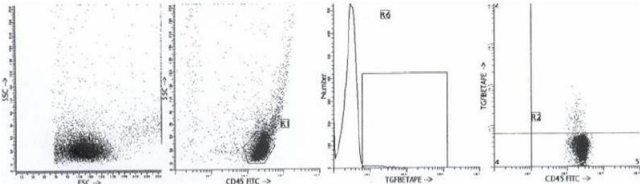


Image 2.