

Datasheet for ABIN969435

anti-TGFB1 antibody



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1 Image

2 Publications

Overview

Quantity:	100 µL
Target:	TGFB1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	TGF beta1 Antibody
Immunogen:	Purified recombinant fragment of TGF beta1 expressed in E. Coli.
Clone:	4F9C10
Isotype:	IgG2a
Purification:	Ascitic fluid

Target Details

Target:	TGFB1
Alternative Name:	TGF beta1 (TGFB1 Products)
Background:	TGF beta(transforming growth factor beta), with 390-amino acid protein (about 43 kDa), is a multifunctional peptide that controls proliferation, differentiation, and other functions in many

Target Details

cell types. In mammals, three isoforms of TGFbeta, that is, beta1, beta2, and beta3, are known. TGF beta is one of numerous inhibitory factors produced by cancer cells that regulate antitumor immunity. TGF beta1 takes part in the local response in the course of primary lung cancer and TGFbeta1 is thought to be implicated in breast cancer progression. TGFbeta1 also plays a critical role in the downregulation of microglial responses minimizing brain inflammation and thus avoiding exacerbation of brain damage.

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: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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.

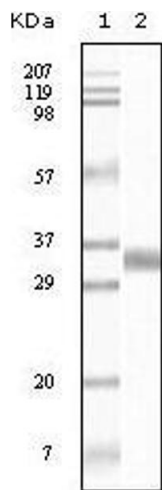
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

Product cited in: Saika: "TGFbeta pathobiology in the eye." in: **Laboratory investigation; a journal of technical methods and pathology**, Vol. 86, Issue 2, pp. 106-15, (2006) ([PubMed](#)).

Boche, Cunningham, Docagne, Scott, Perry: "TGFbeta1 regulates the inflammatory response during chronic neurodegeneration." in: **Neurobiology of disease**, Vol. 22, Issue 3, pp. 638-50, (2006) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using TGF beta1 mouse mAb against truncated TGF beta1 recombinant protein.