

Nur für Forschungszwecke

NeutraKine® TGF beta 1 Monoklonaler Antikörper



Katalog-Nr.: 69012-1-Ig **2 Publikationen**

Allgemeine Informationen

Katalog-Nr.: 69012-1-Ig	GenBank-Zugangsnummer: GeneID (NCBI): 7040	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ug	Vollständiger Name: transforming growth factor, beta 1	CloneNo.: 1E3E9
Wirt: Maus		Empfohlene Verdünnungen: IHC 1:500-1:2000
Isotyp: IgG1		
Immunogen Katalognummer: HZ-1011		

Anwendungen

Geprüfte Anwendungen: FC, IHC, Neutralization, ELISA	Positivkontrollen: IHC : humanes Prostatakarzinomgewebe,
In Publikationen genannte Anwendungen: Neutralization	
Getestete Reaktivität: Human	
Zitierte Arten: Human	
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

TGFB, also named as LAP and TGFB1, is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for it. TGFB 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. It is highly expressed in bone. Mutation of TGFB are the cause of Camurati-Engelmann disease (CED) which known as progressive diaphyseal dysplasia 1 (DPD1).

This antibody can be used to neutralize the bioactivity of TGF beta 1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xueqi Yan	35413945	Cell Death Discov	Neutralization
Jiao Yin	35387564	Bioengineered	Neutralization

Lagerung

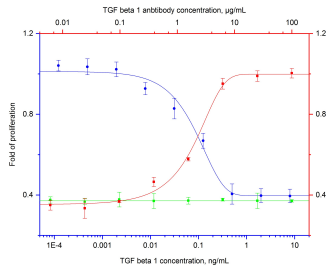
Lagerungsbedingungen:
Lyophilisierte Antikörper sind bei Lagerung zwischen (-20°C) und (-80°C) 1 Jahr ab Empfangsdatum stabil. Bei Rekonstitution empfehlen wir, die Lösung kurzfristig bei (4°C) oder langfristig bei (-20°C) bis (-80°C). Rekonstituierte Produkte sollten nicht wiederholt eingefroren und wieder aufgetaut werden.
Lagerungspuffer:
Sterile PBS.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

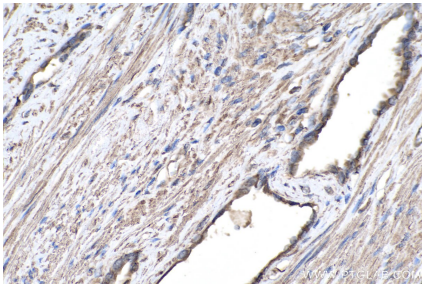
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

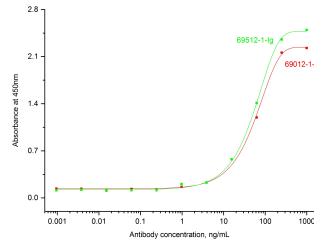
Ausgewählte Validierungsdaten



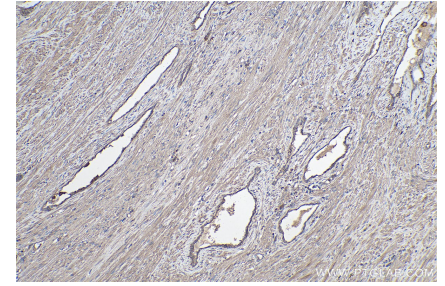
Recombinant human TGF beta 1 (Cat.NO. HZ-1011) inhibits IL-4 induced proliferation of mouse HT-2 cells in a dose dependent manner (blue curve, refer to bottom X-left Y). The activity of human TGF beta 1 (0.5 ng/mL HZ-1011) is neutralized by mouse anti-human TGF beta 1 antibody 69012-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 1-5 µg/mL. The NeutraControl mouse anti-human TGF beta 1 monoclonal antibody 69512-1-Ig could recognize human TGF beta 1.



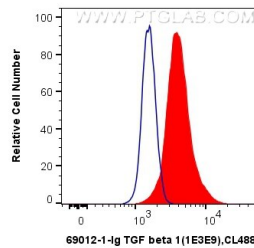
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 69012-1-Ig (NeutraKine® TGF beta 1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Indirect ELISA was carried out by coating recombinant Human TGF beta 1 (Cat.NO. HZ-1011) at 70 ng/well followed by blocking and adding serial diluted TGF beta 1 antibody 69012-1-Ig and 69512-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 69012-1-Ig (NeutraKine® TGF beta 1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 µg Anti-Human NeutraKine® TGF beta 1 (69012-1-Ig, Clone:1E3E9) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 µg Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).