

Rabbit anti-Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb

Catalog No.: RMK0522

Basic Information

Catalog No.

RMK0522

Category

Elisa Antibody Kit

Application

ELISA, Multiplex

Product Information

Ig Type

Rabbit IgG

Purification

Affinity purification

Endotoxin Level

Storage

Store at -20°C.

Avoid repeated freeze-thaw cycles.

Formulation

Supplied as a 0.2 µm filtered solution in PBS with 0.05% Proclin 300, pH 7.4.

Contact

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	www.abclonal.com

Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

Immunogen Information

Immunogen

Recombinant human TGF beta 1 protein

Cross-Reactivity

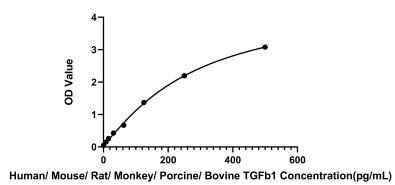
Assay Applications

Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 Sandwich Immunoassay

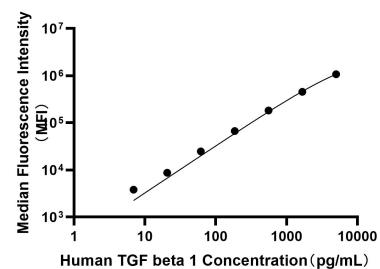
		Recommended Concentration	Sample
ELISA	Capture	2-8 µg/mL	Rabbit anti-Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0521)
	Detection	0.004-0.017 µg/mL	Rabbit anti-Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0522)
	Standard	7.81-500 pg/mL	Recombinant Mouse/Rat Mature TGF-beta 1 Protein (Cat. No. RP00671)

Multiplex	Capture	1.2-4.8 µg/mL	Rabbit anti- Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0521)
	Detection	0.125-0.5 µg/mL	Rabbit anti- Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0522)
	Standard	6.86-5000 pg/mL	Recombinant Human Mature TGF-beta 1 Protein (Cat. No. RP01458)

Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



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