Leader in Biomolecular Solutions for Life Science

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

Catalog No.: RMK0521

Basic Information

Catalog No.
RMK0521

Catagory
Elisa Antibody Kit

Application
ELISA,Multiplex

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
/

Storage
Store at -20℃
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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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 preproprotein 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

Human, Mouse, Rat, Monkey, Porcine, Bovine

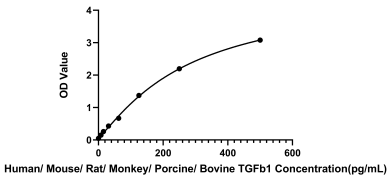
Assay Applications

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

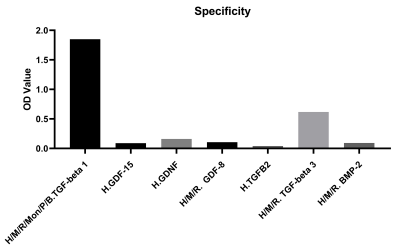
		Recommended Concentration	Sample
ELISA	Capture	2-8 μg/mL	Rabbit anti-Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0521)
	Detection	0.004-0.017 μg/mL	Rabbit anti-Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0522)
	Standard	7.81-500 pg/mL	Recombinant Mouse/Rat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



No significant cross-reactivity or interference was observed.A sample containing 10 ng/mL of recombinant H/M/R TGF-beta3 measured 140 pg/mL in this assay(1.4% cross-reactivity), A sample containing 10 ng/mL of recombinant Human GDNF measured 17 pg/mL in this assay(0.17% cross-reactivity).