

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

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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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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

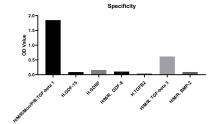
Human, Mouse, Rat, Monkey, Porcine, Bovine

Assay Applications

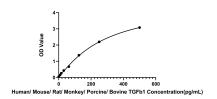
Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 Sandwich Immunoassay

		Recommended Concentration	Sample
	Capture	2-8 μg/mL	Rabbit anti- Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0521)
ELISA	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)

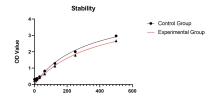
	Capture	1.2-4.8 μg/mL	Rabbit anti- Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0521)
Multiplex	Detection	0.125-0.5 μg/mL	Rabbit anti- Human/Mouse/Rat/Monkey/Porcine/Bovine TGF beta 1 mAb (Cat. No. RMK0522)
	Standard	6.86-5000 pg/mL	Recombinant Human Mature TGF-beta 1 Protein (Cat.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



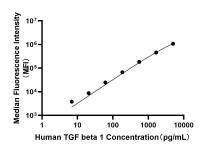
No significant cross-reactivity or interference was observed. A sample containing 10 ng/mL of recombinant H/M/R TGF-beta3 measured 140 pg/mL in this assay(1.4% cross-reactivity), A sample containing 10 ng/mL of recombinant Human GDNF measured 17 pg/mL in this assay(0.17% cross-reactivity).



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



Placed at 37° C for 7 days, the stability of the standard curve all conform to CV <10%.



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