Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Mouse TGF beta 1 mAb

Catalog No.: RMK0523

Basic Information

Catalog No.
RMK0523

Catagory
Elisa Antibody Kit

Application
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 0.2μm filtered solution in PBS with 0.05% Proclin300, 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 TGF-beta 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. Mice lacking a functional copy of this gene develop severe multifocal inflammatory disease, yolk sac defects and colon cancer.

Immunogen Information

Immunogen
Recombinant Mouse TGF beta 1 Protein

Cross-Reactivity

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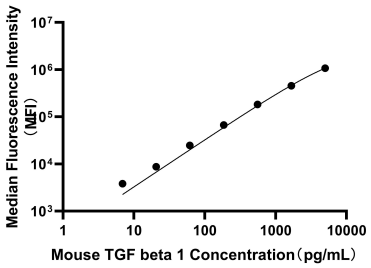
Assay Applications

Mouse TGF beta 1 Sandwich Immunoassay

		Recommended Concentration	Sample
Multiplex	Capture	1.2-4.8ug/mL	Rabbit anti-Mouse TGF beta 1 mAb (Cat. No. RMK0523)
	Detection	0.125-0.5ug/mL	Rabbit anti-Mouse TGF beta 1 mAb (Cat. No. RMK0524)
	Standard	6.86-5000pg/mL	Recombinant Mouse/Rat Mature TGF-beta 1 Protein (Cat. No. RP00671)

Validation Data



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