

# Rabbit anti-Mouse TGF beta 1 mAb

**Catalog No.:** RMK0524

## Basic Information

**Catalog No.**  
RMK0524

**Catagory**  
Elisa Antibody Kit

**Application**  
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 7.3.

## Contact

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 | [support@abclonal.com](mailto:support@abclonal.com)

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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

Mouse

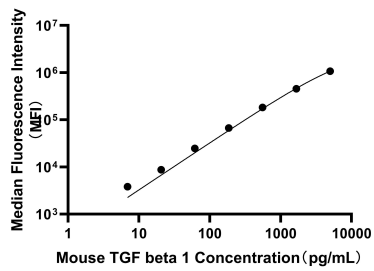
## Assay Applications

Mouse TGF beta 1 Sandwich Immunoassay

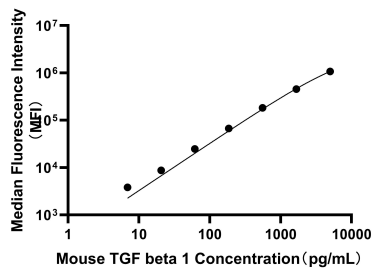
		Recommended Concentration	Sample
Multiplex	Capture	1.2-4.8 µg/mL	Rabbit anti-Mouse TGF beta 1 mAb (Cat. No. RMK0523)
	Detection	0.125-0.5 µg/mL	Rabbit anti-Mouse TGF beta 1 mAb (Cat. No. RMK0524)
	Standard	6.86-5000 pg/mL	Recombinant Mouse/Rat Mature TGF-beta 1 Protein (Cat. No. RP00671)

## Validation Data

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



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