

Mouse TGF beta 1 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP02612-1**

Capture Antibody Information

Catalog Number: 80772-3-PBS	Clone ID: 250513D9	Conjugate: Unconjugated
Host: Rabbit	Reactivity: mouse	Full name: transforming growth factor, beta 1
Isotype: IgG	GenBank: NM-011577	Gene ID: 21803
Purification Method: Protein A purification	Immunogen Catalog Number: Eg3734	

Detection Antibody Information

Catalog Number: 80772-2-PBS	Clone ID: 250513H7	Conjugate: Unconjugated
Host: Rabbit	Reactivity: mouse	Full name: transforming growth factor, beta 1
Isotype: IgG	GenBank: NM-011577	Gene ID: 21803
Purification Method: Protein A purification	Immunogen Catalog Number: Eg3734	

Applications

Tested Applications: Sandwich ELISA	Range: 97.7-6250 pg/mL (Sandwich ELISA)	Recommended Dilutions: It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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Product Information

MP02612-1 targets TGF beta 1 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Mouse Tgfb1 Recombinant monoclonal antibody, PBS Only (Capture) 80772-3-PBS (250513D9).
100 µg. Concentration 1 mg/mL.

Detection antibody: Mouse Tgfb1 Recombinant monoclonal antibody, PBS Only (Detector) 80772-2-PBS (250513H7).
100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

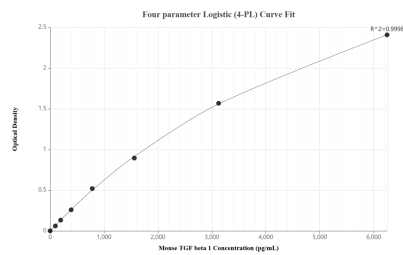
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

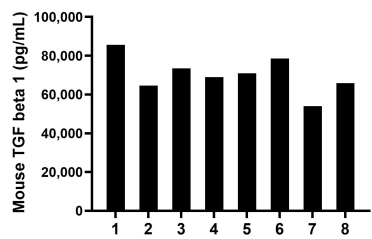
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage buffer:
PBS only

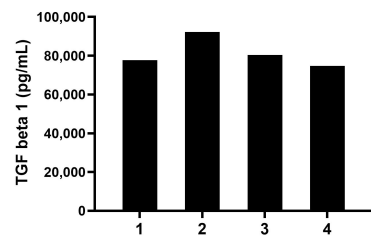
Selected Validation Data



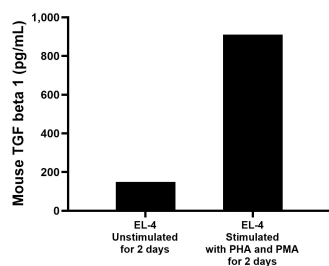
Sandwich ELISA standard curve of MP02612-1, Mouse TGF beta 1 Recombinant Matched Antibody Pair - PBS only. 80772-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg3734. 80772-2-PBS was HRP conjugated as the detection antibody. Range: 97.7-6250 pg/mL



Serum of eight mice was measured. The TGF beta 1 concentration of detected samples was determined to be 70,216.9 pg/mL with a range of 53,973.4-85,638.9 pg/mL



Serum of four rats was measured. The TGF beta 1 concentration of detected samples was determined to be 81,248.9 pg/mL with a range of 74,720.4-92,272.7 pg/mL



EL-4 cells were cultured unstimulated or stimulated with 10 μ g/mL PHA and 10 ng/mL PMA for 2 days. The mean TGF beta 1 concentration was determined to be 148.8 pg/mL in unstimulated EL-4 supernatant, 911.2 pg/mL in PHA and PMA stimulated EL-4 supernatant.