

TGF beta-1 Monoclonal Antibody (B11-4C3)

Product Details	
Size	200 µg
Species Reactivity	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	B11-4C3
Conjugate	Unconjugated
Immunogen	Full length human TGF beta-1 (Met1-Ser390) fused with c-terminal polyhistidine tag
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	-20°C
RRID	AB_2536871

Applications	Tested	Dilution	Published
ELISA (ELISA)	✓	1 µg/mL	
Western Blot (WB)	✓	1 µg/mL	

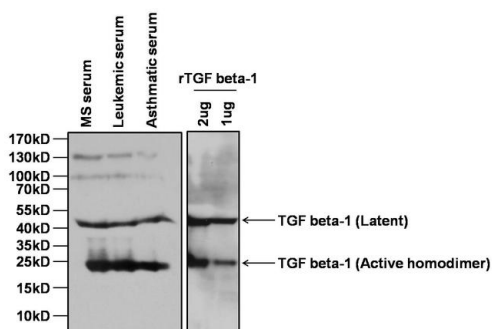
Product Specific Information

MA1-169 has been successfully used as a coating antibody in a sandwich ELISA with Product # MA1-116 used as a detection antibody.

Product Images For TGF beta-1 Monoclonal Antibody (B11-4C3)

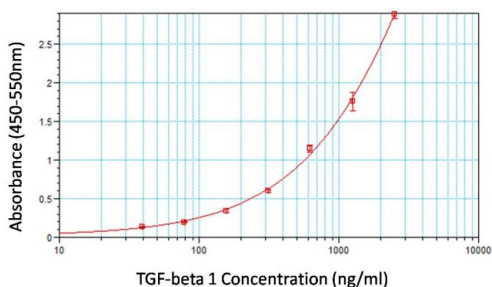
TGF beta-1 Antibody (MA1-169) in WB

Western blot analysis of human TGF beta-1 was performed by loading 10 μ L of human serum from patients with multiple sclerosis (MS), leukemia, or asthma (left panel) and 2 μ g and 1 μ g of recombinant human TGF beta-1 protein (right panel) per well on a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with StartingBlock (TBS) Blocking Buffer (Product # 37542) for at least 1 hour. The membrane was probed with a TGF beta-1 monoclonal antibody (Product # MA1-169) at a concentration of 5 μ g/mL overnight at 4C on a rocking platform, washed in TBS-0.1% Tween-20, and probed with a goat anti-mouse IgG-HRP secondary antibody (Product # 31430) at a dilution of 1:10,000 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Dura (Product # 34075).



TGF beta-1 Antibody (MA1-169) in ELISA

Sandwich ELISA analysis of an anti-human TGF beta-1 monoclonal antibody (Product # MA1-169) was performed by loading 100 μ L per well of antibody (Product # MA1-169) at a concentration of 2 μ g/mL overnight at room temperature. The plate was washed 3 times with ELISA Wash Buffer (Product # N503), and 100 μ L of recombinant human TGF beta-1 was added to wells in duplicate at 2.5, 1.2, 0.625, 0.312, 0.156, 0.078, 0.039 and 0 ng/mL concentrations and the samples were incubated for 2 hours at room temperature. The plate was washed, then incubated with 100 μ L per well of a biotinylated TGF beta-1 monoclonal antibody (Product # MA1-116, biotinylated using EZ-Link Sulfo-NHS-LC-Biotinylation Kit (Product # 21435) at a concentration of 0.125 μ g/mL for 1 hour at room temperature, followed by 100 μ L per well of Streptavidin-HRP (Product # N504) at a dilution of 1:40,000 for 30 minutes at room temperature. Detection was performed by adding 100 μ L of 1-Step Ultra TMB substrate (Product # 34028) per well and incubating for 20 minutes at room temperature in the dark. The plate was then stopped with 100 μ L per well of 0.16M sulfuric acid. Absorbances were read on a spectrophotometer at 450-550 nm.



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