

Anti-Transferrin (TF) Mouse Monoclonal Antibody [Clone ID: OTI5G2]

Catalog Number: M00094-4

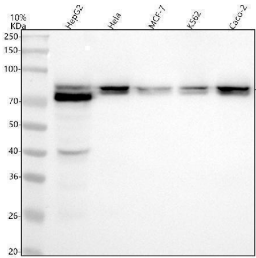
Overview

Product Name	Anti-Transferrin (TF) Mouse Monoclonal Antibody [Clone ID: OTI5G2]
Reactive Species	Human
Description	Boster Bio TF (Transferrin) mouse monoclonal antibody, clone OTI5G2 (formerly 5G2). Catalog# M00094-4. Tested in FC, IF, WB. This antibody reacts with Human.
Application	Flow Cytometry, IF, WB
Clonality	Monoclonal OTI5G2
Formulation	PBS (pH 7.3) containing 1% stabilizing protein, 50% glycerol and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C as received.
Host	Mouse
Uniprot ID	P02787

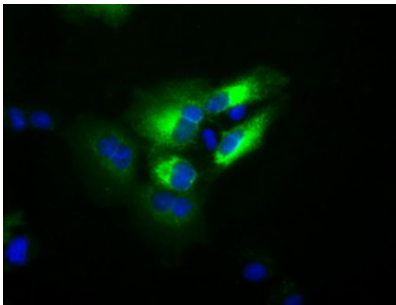
Technical Details

Immunogen	Full length human recombinant protein of human TF (NP_001054) produced in HEK293T cell.
Isotype	IgG1
Concentration	0.61 mg/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Suggested Dilutions	WB: 1:200-2000 IF: 1:100 Flow cytometry: 1:100

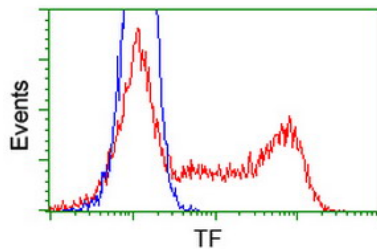
Anti-Transferrin (TF) Mouse Monoclonal Antibody [Clone ID: OTI5G2] (M00094-4) Images



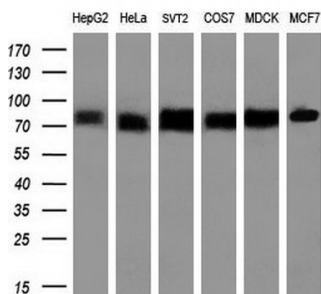
Western blot analysis of TF using anti-TF antibody (M00094-4). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: human HeLa whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human K562 whole cell lysates, Lane 5: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-TF antigen affinity purified monoclonal antibody (Catalog # M00094-4) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001) with Tanon 5200 system. A specific band was detected for TF at approximately 71 kDa. The expected band size for TF is at 77 kDa.



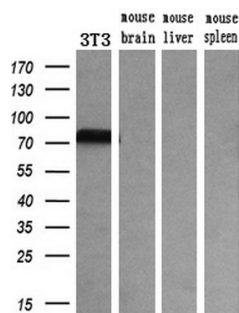
Anti-TF mouse monoclonal antibody (M00094-4) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TF.



HEK293T cells transfected with either TF (Myc-DDK-tagged) overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-TF antibody (M00094-4)



Western blot analysis of extracts (10ug) from 6 different cell lines by using anti-TF monoclonal antibody (1:1000).



Western blot analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-TF monoclonal antibody (1:200).

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