

# Transferrin Monoclonal Antibody (F2H8G6)

## Product Details

Size	1 mg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	F2H8G6
Conjugate	Unconjugated
Immunogen	Human Transferrin
Form	Liquid
Concentration	5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C
RRID	AB_11154191

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	1:100-1:200	-
ELISA (ELISA)	1 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-
Radioimmune Assays (RIA)	Assay-dependent	-

## Product Specific Information

MIT0603 has been successfully used in ELISA, immunofluorescence, immunoprecipitation, and radioimmune assay applications, and reacts with human samples.

MIT0603 detects Transferrin which has a predicted molecular weight of approximately 67 kDa.

MIT0603 was formerly sold as a Seradyn product.

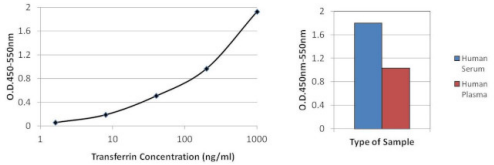
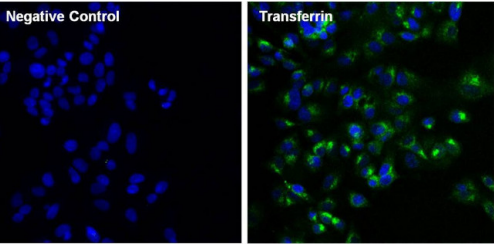
Product Images For Transferrin Monoclonal Antibody (F2H8G6)

Transferrin Antibody (MIT0603) in ICC/IF

Immunofluorescent analysis of Transferrin (green) in HepG2 cells. The cells were fixed with formalin for 15 minutes, permeabilized with 0.1% Triton X-100 in TBS for 10 minutes, and blocked with 5% Normal Goat Serum (Product # 31872) for 15 minutes at room temperature. Cells were stained with or without Transferrin monoclonal antibody (Product # MIT0603), at a dilution of 1:100 overnight at 4C, and then incubated with a DyLight 488 goat anti-mouse IgG secondary antibody (Product # 35503) at a dilution of 1:1000 for 30 minutes at room temperature (both panels, green). Nuclei (both panels, blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ToxInsight at 20X magnification.

Transferrin Antibody (MIT0603) in ELISA

Sandwich ELISA of Transferrin was performed by coating wells of a 96-well plate with 100 µL of an transferrin chicken polyclonal antibody (Product # PA1-9525) diluted to a concentration of 1 µg/mL in carbonate/bicarbonate buffer (Product # 28382) overnight at 4C. Wells were blocked with 100 µL of StartingBlock T20 (TBS) Blocking Buffer (Product # 28382) for 2 hours, and 100 µL of recombinant transferrin protein ranging from 1.6-1000 ng/mL were incubated for 1 hour at room temperature. The plate was washed with 1X TBST (Product # 28360), and 100 µL per well of an Transferrin mouse monoclonal antibody (Product # MIT0603) diluted to a concentration of 1 µg/mL was added to each well for 1 hour at room temperature. The plate was washed, and 100 µL per well of a Streptavidin-HRP (Product # 21126) was incubated for 30 minutes. Detection was performed using 1-Step Ultra TMB Substrate (Product # 34028), followed by Stop Solution (Product # N600). Absorbances were read on a spectrophotometer at 450-550 nm.



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