

# Transferrin Monoclonal Antibody (F2H8G6)

## Product Details

Size	100 µg
Species Reactivity	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	F2H8G6
Conjugate	Unconjugated
Immunogen	Human Transferrin
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	0.01M potassium phosphate with 0.135M NaCl, 2.5mM KCl, 1mg/mL BSA
Contains	0.05% 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_10983676

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

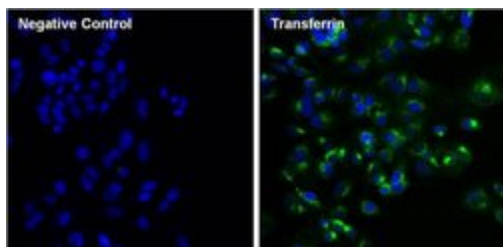
## Product Specific Information

MA5-14690 has been successfully used in ELISA, immunofluorescence, and immunoprecipitation, and radioimmune assay applications, and reacts with human samples.

MA5-14690 detects Transferrin which has a predicted molecular weight of approximately 67 kDa.

Product MA514690 is a smaller package size of MIT0603 (formerly sold as a Seradyn product).

## Product Images For Transferrin Monoclonal Antibody (F2H8G6)

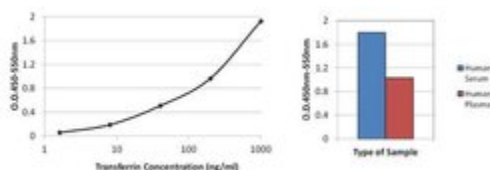


### Transferrin Antibody (MA5-14690) in IF

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 # MA5-14690), 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 (MA5-14690) in ELISA

Sandwich ELISA of Transferrin was performed by coating wells of a 96-well plate with 100  $\mu$ L of a transferrin chicken polyclonal antibody (Product # PA1-9525) diluted to a concentration of 1  $\mu$ g/mL in carbonate/bicarbonate buffer (Product # 28382) overnight at 4C. Wells were blocked with 100  $\mu$ L of StartingBlock T20 (TBS) Blocking Buffer (Product # 28382) for 2 hours, and 100  $\mu$ L 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  $\mu$ L per well of a transferrin mouse monoclonal antibody (Product # MA5-14690) diluted to a concentration of 1  $\mu$ g/mL was added to each well for 1 hour at room temperature. The plate was washed, and 100  $\mu$ L 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.



For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.