

Transferrin Monoclonal Antibody (2A2)

Catalog NumberMA1-20108

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody	ELISA (ELISA)	Assay-dependent
Clone	2A2	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Purified transferrin from pooled human plasma.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	5.1 mg/mL		
Storage Conditions	4° C, do not freeze		

Product specific information

MA1-20108 detects transferrin in human samples.

Background/Target Information

Transferrins (Tf) are an approximately 80kDa blood plasma glycoprotein synthesized by the liver. They are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Transferrin is the primary blood iron transport protein and under normal conditions; approximately one-third of total blood transferrin contains bound iron. Measurement of blood transferrin levels can be used as an indicator for blood iron-carrying capacity and abnormalities of iron metabolism such as anaemia, iron overload and haemochromatosis. Serum transferrin may also have a further role in stimulating cell proliferation.

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