

Total Iron Binding Capacity (TIBC) and Serum Iron Assay Kit | TIBC assay kit

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CATALOG #
AAA179713

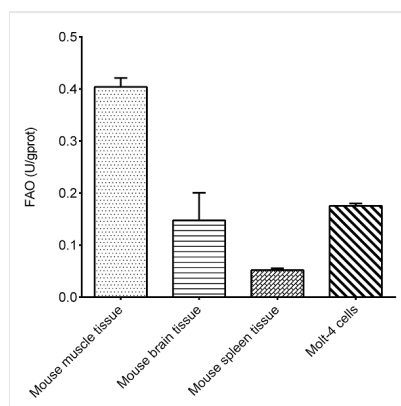
PRODUCT SYNONYMS

Total Iron Binding Capacity (TIBC) and Serum Iron; Total Iron Binding Capacity (TIBC) and Serum Iron Assay Kit; TIBC assay kit

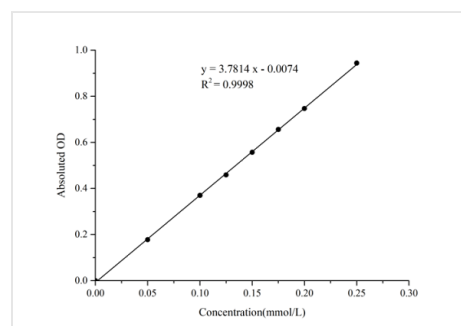
PRODUCT SPECIFICATIONS

Detection Type	Colorimetric
Result Type	Quantitative
Samples	Serum, Plasma
Detection Range	0.31-50mg/L TIBC
Sensitivity	0.14mg/L TIBC
Precision	Intra-assay CV: 0.023% Inter-assay CV: 0.015
Detection Instrument	Microplate reader
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months with shading light.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for TIBC assay kit	The excess iron is added to the serum to bind all the transferrin in the serum, and the excess iron is adsorbed by adding the iron adsorbent. The iron bind with the transferrin is separated from the protein by the action of acid solution and reductant. Fe^{3+} in serum is reduced to Fe^{2+} , Fe^{2+} binds with bipyridine to form pink complex. In a certain range, the amount of iron ions is positively correlated with the color, and the measured iron content is TIBC. Subtracting serum iron value from TIBC is called unsaturated iron binding capacity (UIBC).
Product Categories/Family for TIBC assay kit	Metabolism assay; Metabolic Diseases; Liver and Renal Function; Inorganic Ions

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/total-iron-binding-capacity-tibc-and-serum-iron/179713>