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Product Datasheet

TF - Transferrin
GRP13230

Species/Host	Chicken
Reactivity	Human
Predicted Reactivity	Primates
Immunogen	purified full length native protein UniProt: P02787
Form/Appearance	Liquid in 0.15M sodium chloride, 0.02M sodium phosphate, 0.1% sodium azide, pH 7.2
Storage	Store at 4°C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.
Note	For research use only.
Clonality	Polyclonal
Purity	Affinity purified IgY
MW	77 kDa
Uniprot ID	P02787
Dilution Range	1 : 1000 (WB)
Application Notes	Additional Information: Only one precipitin arc in immunodiffusion against normal human serum, dilution 1: 10, or human transferrin. Only one precipitin arc in immunoelectrophoresis against normal human serum, or human transferrin. Affinity purified IgY on human tranferrin agarose Background: Transferrin is a single polypeptide chain glycoprotein and is a member of the iron binding family of proteins. It has a molecular weight of 77 kDa and a serum concentration range of 1800 to 2700 mg/L. It is synthesised in the liver and consists of two domains, each having a high affinity reversible binding site for Fe3+. The iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/transferrin is essential in haemoglobin synthesis and for certain types of cell division. Serum concentration rises in iron deficiency and pregnancy and falls in iron overload, infection and inflammatory conditions. The function of transferrin is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. In addition to its function in iron transport, this protein may also have a physiologic role as granulocyte/pollen binding protein (GPBP) involved in the removal of certain organic matter/allergins from serum.