

Native Chicken Serum Transferrin

Cat. No. TF-143C Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Chicken

Source Chicken Serum

ProteinLength Full length native Chicken Serum Transferrin

Description

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 synthesized in the liver and consists of two domains each having a high affinity reversible binding site for Fe³⁺. Iron is transported in blood and interstitial fluids to sites of use and disposal. Iron/transferrin is essential in hemoglobin 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/allergens from serum.

Form Liquid

Purity >95% (SDS-PAGE)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Western blotting,ELISA,etc
Storage	Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage Buffer	PBS
GENE INFORMATION	
Gene Name	TF transferrin (ovotransferrin) [Gallus gallus]
Official Symbol	TF
Synonyms	LTF; TFEW; conalbumin; ovotransferrin; lactotransferrin; serum transferrin; allergen Gal d III; ovotransferrin BB type; ovotransferrin BC type; ovotransferrin CC type
Gene ID	396241
mRNA Refseq	NM_205304
Protein Refseq	NP_990635
UniProt ID	P02789
Chromosome Location	chromosome: 9
Function	ferric iron binding

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