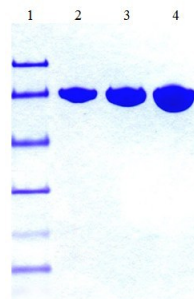


TF

Native Human Transferrin (SIDERO), Plasma Tissue Culture Grade

Catalog No.	CSI19853A CSI19853B	Quantity:	100 mg 1 gram
Alternate Names:	Serotransferrin, Beta-1 metal-binding globulin, Siderophilin		
Description:	<p>Transferrin is a monomeric glycoprotein found in plasma at an average concentration of 250 mg/100 ml. The SIDERO form of transferrin is partially iron saturated, also called Siderophilin. The specific iron-binding protein in plasma, it has a role in the transportation and distribution of iron among the body organs, in iron metabolism and prevention of iron loss via the kidneys. Stored in bone marrow as Tf-bound iron, it also possesses bacteriostatic and fungistatic activity. It is an important transport factor used in defined culture media. Clinically, decreases in transferrin are observed in congenital disorders, newborns, inflammatory diseases, hypoproteinemias and nephrotic syndrome; increases are found in pregnancy, iron-deficiency anemias, and inoculation hepatitis. Transferrin is required by all types of cells in cultures for maximal growth.</p> <p>This product is tested in cell culture and shown to be free of toxins and other contaminants which could inhibit cultured cell growth.</p>		
UniProt ID:	P02787		
Source:	Human plasma		
Molecular Weight:	80 kDa		
Iron Content:	300-600 µg per gram (partially iron saturated, SIDERO)		
Formulation:	Lyophilized from sterile de-ionized water after filtration using a 0.1 micron filter		
Heat Treatment:	60°C for 10 hours		
Endotoxin:	≤ 1 EU/mg by LAL analysis		
Purity:	≥ 98% by SDS-PAGE analysis, single band prior to heat treatment pH range of a 3% solution: 6.5-8.0		
Reconstitution:	<p>Centrifuge vial prior to opening. Add sterile distilled water to prepare a 1-3% solution. Gently mix and allow several minutes for complete reconstitution.</p> <p>DO NOT VORTEX.</p>		
Storage & Stability:	Store at -20°C to 80°C for at least 1 year. Upon reconstitution, prepare aliquots of the stock solution and store at -80°C. Avoid repeated freeze-thaw cycles.		
Infectious Disease Statement:	Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.		



1. Molecular Weight Markers
2. Human Transferrin (5 ug) NR
3. Human Transferrin (10 ug) NR
4. Human Transferrin (20 ug) NR

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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