Native Mouse Apotransferrin

Cat. No. Trf-70M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Source	Mouse Plasma
Description	Transferrin is a monomeric glycoprotein found in plasma at an average concentration of 250 mg/100ml. 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 in prevention of iron loss via the kidney. Stored in bone marrow as TF-bound iron, it also possesses bacteriostatic and fungistatic activity. Clinically, decreases in transferrin are observed in congenital disorders, newborns, inflammatory diseases, hypo-proteinemias and nephritic 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. It is, therefore, an important factor used in defined culture media.
Form	Lyophilized
Molecular Mass	80.0 kDa
Purity	Purity by SDS-PAGE: ≥98%
Usage	For Research Use Only! Not For Use in Humans.

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Notes	Centrifuge the vial prior to opening
Storage	-20°C
Storage Buffer	Lyophilized from 20 mM Na phosphate, pH 7.4 and 150 mM NaCI.
Shipping	Gel pack

GENE INFORMATION

Gene Name	Trf transferrin [Mus musculus]
Official Symbol	Trf
Synonyms	HP; Tf; Tfn; hpx; Cd176; AI266983; serotransferrin; siderophilinbeta-1 metal-binding globulin; hypotransferrinemia with hemochromatosis
Gene ID	22041
mRNA Refseq	NM_133977
Protein Refseq	NP_598738
UniProt ID	Q921I1
Chromosome Location	9 F1-F3; 9 55.03 cM
Pathway	HIF-1 signaling pathway, organism-specific biosystem; Iron Homeostasis, organism-specific biosystem; Mineral absorption, organism-specific biosystem
Function	ferric iron binding; ferric iron transmembrane transporter activity; metal ion binding;

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