

Native Mouse Apotransferrin

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

SPECIFICATION

Species	Mouse
Source	Mouse Plasma
Description	<p>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.</p>
Form	Lyophilized
Molecular Mass	80.0 kDa
Purity	Purity by SDS-PAGE: ≥98%
Usage	For Research Use Only! Not For Use in Humans.
Notes	Centrifuge the vial prior to opening

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Storage	-20°C
Storage Buffer	Lyophilized from 20 mM Na phosphate, pH 7.4 and 150 mM NaCl.
Shipping	Gel pack
GENE INFORMATION	
Gene Name	Trf transferrin [<i>Mus musculus</i>]
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	Q92111
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; metal ion binding; protein binding

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