

Native Rat Apotransferrin

Cat. No. TF-71R Lot. No. (See product label)

SPECIFICATION

Species	Rat
Source	Rat 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: $\geq 98\%$
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	Tf transferrin [<i>Rattus norvegicus</i>]
Official Symbol	TF
Synonyms	TF; transferrin; serotransferrin; siderophilin; beta-1 metal-binding globulin; liver regeneration-related protein LRRG03; Tfn; Trf; MGC93500;
Gene ID	24825
mRNA Refseq	NM_001013110
Protein Refseq	NP_001013128
Pathway	Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;
Function	ferric iron binding; ferric iron transmembrane transporter activity; metal ion binding;

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