

Native Mouse Transferrin

Cat. No. Trf-4782M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Mouse Transferrin was purified from Mouse Serum.
Species	Mouse
Source	Mouse Serum
Description	Mouse Transferrin is a blood plasma glycoprotein which binds iron and regulates the amount of available iron in circulation. Mouse Transferrin has a high affinity for iron, but this binding is reversible. Mouse Transferrin has a molecular weight of approximately 80kDa. Mouse Transferrin also plays a role in the immune system, creating environments low in iron for which many pathogenic bacteria are unable to thrive.
Form	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Molecular Mass	~80 kDa
Purity	Mouse Transferrin was prepared from normal serum by a multi-step process which includes delipidation and selective precipitation followed by extensive dialysis against the buffer stated above. Mouse Transferrin was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse Transferrin and anti-Mouse Serum.
Applications	Mouse Transferrin is a suitable protein for use as a control reagent in SDS, Western Blotting, and ELISA experiments.

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Storage Store vial at 4 centigrade prior to opening. For extended storage aliquot contents and freeze at -20 centigrade or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Mouse Transferrin is stable for several weeks at 4 centigrade as an undiluted liquid. Dilute only prior to immediate use.

Concentration 5.9 mg/mL by UV absorbance at 280 nm

GENE INFORMATION

Gene Name Trf transferrin [*Mus musculus*]

Official Symbol Trf

Synonyms TRF; transferrin; serotransferrin; siderophilin; beta-1 metal-binding globulin; hypotransferrinemia with hemochromatosis; HP; Tf; Tfn; hpx; Cd176; AI266983; MGC102653;

Gene ID 22041

mRNA Refseq NM_133977

Protein Refseq NP_598738

UniProt ID Q921I1

Chromosome Location 9 F1; 9 55.03 cM

Pathway Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;

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Function

ferric iron binding; ferric iron transmembrane transporter activity; metal ion binding;

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