

Datasheet for 012-0134**Rat Transferrin****Overview**

Description:	Rat Transferrin - 012-0134
Item No.:	012-0134
Size:	5 mg
Origin:	Rat

Product Details

Background:	Rat Transferrin is a blood plasma glycoprotein which binds iron and regulates the amount of available iron in circulation. Rat Transferrin has a high affinity for iron, but this binding is reversible. Rat Transferrin has a molecular weight of approximately 80kDa. Rat Transferrin also plays a role in the immune system, creating environments low in iron for which many pathogenic bacteria are unable to thrive.
Synonyms:	Tfn, Trf, MGC93500, Serotransferrin
Species of Origin:	Rat
Format:	Transferrin
Type:	Native Protein

Target Details

Gene Name:	Tf
Purity/Specificity:	Rat 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. Rat Transferrin was assayed by immunoelectrophoresis resulted in a single precipitin arc against anti-Rat Transferrin and anti-Rat Serum.
Relevant Links:	• GeneID - 24825 • NCBI - AAH87021.1 • UniProtKB - P12346

Application Details

Application Note:	Rat Transferrin is a suitable protein for use as a control reagent in both Western Blotting and ELISA experiments. For blotting, the expected molecular weight of Rat Transferrin is approximately 80kDa.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	User Optimized
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	5.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Centrifuge product if not completely clear after standing at room temperature. RAT TRANSFERRIN DOES NOT CONTAIN PRESERVATIVE. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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