

# Native Human Transferrin Fluorescein

Cat. No. TF-323H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	This product was prepared from normal serum by delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Human Transferrin and anti-Human Serum.
<b>Species</b>	Human
<b>Description</b>	This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
<b>Applications</b>	Other Dilution: User Optimized
<b>Usage</b>	This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale.
<b>Storage</b>	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze

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at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use.

<b>Concentration</b>	1.0 mg/mL by UV absorbance at 280 nm
<b>Storage Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Reconstitution</b>	Restore with deionized water (or equivalent)
<b>Shipping</b>	Ambient

## GENE INFORMATION

<b>Gene Name</b>	TF transferrin [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	TF
<b>Synonyms</b>	TF; transferrin; serotransferrin; PRO1557; PRO2086; siderophilin; beta-1 metal-binding globulin; TFQTL1; DKFZp781D0156;
<b>Gene ID</b>	7018
<b>mRNA Refseq</b>	NM_001063
<b>Protein Refseq</b>	NP_001054
<b>MIM</b>	190000

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<b>UniProt ID</b>	P02787
<b>Chromosome Location</b>	3q21
<b>Pathway</b>	EPHB forward signaling, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Hemostasis, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem;
<b>Function</b>	ferric iron binding; metal ion binding; protein binding; ubiquitin protein ligase binding;

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