

Datasheet for ABIN930173

Transferrin Protein (TF) (FITC)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	Transferrin (TF)
Origin:	Human
Source:	Human
Purification tag / Conjugate:	This Transferrin protein is labelled with FITC.
Application:	Immunofluorescence (IF)

Product Details

Characteristics:	Transferrin protein (FITC) conjugate Source: Human albumin Alternative Names: Apotransferrin protein, beta 1 metal binding globulin protein, DKFZp781D0156 protein, PRO1400 protein, PRO1557 protein, PRO2086 protein, Serotransferrin precursor protein, Siderophilin protein, TF protein
Purification:	Transferrin protein (FITC) was purified by delipidation, selective precipitation and tandem molecular sieve chromatography followed by dialysis.

Target Details

Target:	Transferrin (TF)
Alternative Name:	Transferrin (TF Products)
Background:	Transferrins are iron-binding blood plasma glycoproteins that control the level of free iron in biological fluids. In humans, it is encoded by the TF gene. Transferrin is a glycoprotein that binds iron very tightly but reversibly. Although iron bound to transferrin is less than 0.1% (4 mg)

Target Details

of the total body iron, it is the most important iron pool, with the highest rate of turnover (25 mg/24 h). Transferrin has a molecular weight of around 80 kDa and contains 2 specific high-affinity Fe(III) binding sites.

Description: Human albumin. Synonyms: Apotransferrin protein, beta 1 metal binding globulin protein, DKFZp781D0156 protein, PRO1400 protein, PRO1557 protein, PRO2086 protein, Serotransferrin precursor protein, Siderophilin protein, TF protein.

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from 0.02 M K₂O₄, pH 7.2, with 0.12 NaCl, 10 mg/mL BSA and 0.01 % NaN₃. Immunoglobulin and protease free.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Product is photosensitive and should be protected from light. Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.



Image 1. Human Transferrin Fluorescein Load: 3-fold serial dilution starting at 200 ng. Block for 30 min at RT.