



Anti-TFRC Monoclonal antibody, clone PLU0 [FITC] (CABT-BL8307)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	PLU0
Purification	Affinity chromatography
Conjugate	FITC
Applications	FC
Format	Liquid
Concentration	5ul/Test
Size	25 tests, 100 tests
Buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Preservative	0.09% Sodium Azide
Storage	4°C, store in dark, DO NOT FREEZE!

BACKGROUND

Introduction	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The
--------------	---

apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). Serum transferrin receptor (sTfR) is used as a means of detecting erythropoietin (EPO) misuse by athletes and as a diagnostic test for anemias resulting from a number of conditions including rheumatoid arthritis, pregnancy, irritable bowel syndrome and in HIV patients.

Keywords

TFRC; transferrin receptor (p90, CD71); transferrin receptor protein 1; CD71; TFR1; T9; TR; TFR; p90; TRFR;

GENE INFORMATION

Entrez Gene ID

[7037](#)

UniProt ID

[P02786](#)
