

Anti-Transferrin Receptor/TFRC Antibody-FITC (5P550)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	FITC
Clone:	5P550
Purification:	Protein A

Applications

Verified Activity:	Expression of TFRC (CD71) by stimulated human peripheral blood mononuclear cells (PBMC). Human PBMC were stimulated with immobilized anti-human CD3 antibody (1 µg/ml for coating culture wells; BD Cat. No. 555329), in the presence of recombinant human IL-2 (200 IU/ml final concentration) for 3 days.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Transferrin Receptor / TFRC / CD71 protein (TMPY-01873)
Antigen Species:	Human
Synonyms:	transferrin receptor

Research Background

Transferrin receptor protein 1, also known as transferrin receptor, Trfr, p9, CD71 and TFRC, is a single-pass type II membrane protein that belongs to the peptidase M28 family and M28B subfamily. TFRC / CD71 is a membrane-bound protein expressed in larger amounts in proliferating. The specific expression of TFRC can represent a diagnostic tool or a therapeutic target in solid tumours expressing this antigen. Transferrin receptor is necessary for development of erythrocytes and the nervous system. TFRC / CD71 is regulated by cellular iron levels through binding of the iron regulatory proteins, IRP1 and IRP2, to iron-responsive elements in the 3'-UTR. Up-regulated upon mitogenic stimulation. TFRC / CD71 represents a marker of malignant transformation in the pancreas that could be applied as potential diagnostic and therapeutic target.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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