

Anti-TFRC Antibody (40872)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 85 kDa. Actual: 90 kDa.
Clone:	40872
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	Lane 1: Human HeLa cell lysates
	Lane 2: Human HT-1080 cell lysates
	Primary: Anti-TFRC (TMAB-13482) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
	Predicted band size: 74/85 kDa
	Observed band size: 95 kDa
	2. Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (TFRC) monoclonal Antibody, Unconjugated (TMAB-13482) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.
	3. Blank control: Hela.
	Primary Antibody (green line): Mouse Anti-TFRC antibody (TMAB-13482) Dilution: 2 µg/Test; Secondary Antibody (white blue line) : Goat anti-mouse IgG-FITC Dilution: 0.5 µg/Test. Isotype control (orange line): Normal Mouse IgG
Protocol	
The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.	
Application:	WB,ICC/IF,FCM
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200; FCM: 2µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human CD71 protein
Antigen Species: Human
Gene ID: 7037
Uniprot ID: P02786

Research Background

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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