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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Transferrin Receptor/TFRC Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9233-Fluoro594

About TFRC

Transferrin receptor protein 1 (TfR1), also known as Cluster of Differentiation 71 (CD71), is a protein that in humans is encoded by the TFRC gene. It is mapped to 3q29. TFRC is a transmembrane glycoprotein composed of two disulfide-linked monomers joined by two disulfide bonds. Expression of human TFR1 in hamster cell lines markedly enhanced the infection of viruses pseudotyped with the glycoprotein of Machupo, Guanarito, and Junin viruses. TFR1 is a cellular receptor for New World hemorrhagic fever arenaviruses. It is required for iron delivery from transferrin to cells.

Overview

Product Name	Anti-Transferrin Receptor/TFRC Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, IHC-F, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P02786

Technical Details

Immunogen	E.coli-derived human TFRC recombinant protein (Position: M1-N198). Human TFRC shares 72% and 70% amino acid (aa) sequences identity with mouse and rat TFRC, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 10.3892/or.2019.7189, Sulfasalazine induced ferroptosis in breast cancer cells is reduced by the inhibitory effect of estrogen receptor on the transferrin receptor

2. PubMed ID: 28008944, Amyloid precursor protein modulates Nav16 sodium channel currents through a Go-coupled JNK pathway

Visit bosterbio.com/anti-tfrc-picoband-trade-antibody-pb9233-boster.html to see all 2 publications.

Anti-Transferrin Receptor/TFRC Antibody - Fluoro594

For Research Use Only. Not for use in diagnostic procedures.