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## FITC Anti-Mouse CD71 Antibody[R17 217.1.3/TIB-219]

Catalog Number: E-AB-F1093UC

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ

R17 217.1.3/TIB-219 Clone No.

FITC Rat IgG2a, k Isotype Control[2A3] [Product E-AB-F09833C] Isotype Control

Conjugation

**Conjugation Information** FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### **Applications** Recommended usage

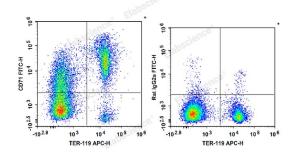
Each lot of this antibody is quality control tested by flow cytometric analysis. Please **FCM** 

> check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

> reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10<sup>6</sup> cells

in 100 µL volume].

#### Data



C57BL/6 murine bone marrow cells are stained with APC Anti-Mouse TER-119 Antibody and FITC Anti-Mouse CD71 Antibody (Left). Bone marrow cells are stained with APC Anti-Mouse TER-119 Antibody and FITC Rat IgG2a, κ Isotype Control (Right).

#### **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

**Alternate Names** CD71;TR;TfR;TfR1;Tfrc;Transferrin receptor protein 1;Trfr

**Uniprot ID** Q62351 Gene ID 22042

#### For Research Use Only

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623

Email:techsupport@elabscience.com Web:www.elabscience.com

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### **Background**

CD71 is a 95 kD type II heterodimeric transmembrane glycoprotein that is also known as T9 and transferrin receptor. CD71 is expressed on proliferating cells, reticulocytes, and erythroid precursors. Its expression is very low on resting leukocytes. CD71 plays a role in the control of cellular proliferation by facilitating the uptake of iron via ferrotransferrin binding and the recycling of apotransferrin to the cell surface.