

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 647 Anti-Mouse CD71 Antibody[R17 217.1.3/TIB-219]

Catalog Number: E-AB-F1093UM

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

# Description

Reactivity Mouse Host Rat

lsotype Rat lgG2a, κ

Clone No. R17 217.1.3/TIB-219

Isotype Control Elab Fluor® 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M]

Conjugation Elab Fluor® 647

**Conjugation Information** Elab Fluor<sup>®</sup> 647 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 670 nm (e.g., a 660/20 nm bandpass filter).

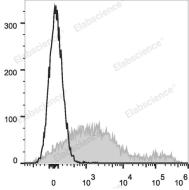
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

**FCM** 

Each lot of this antibody is quality control tested by flow cytometric analysis. Please 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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

#### Data



C57BL/6 murine bone marrow cells are stained with Elab

Fluor<sup>®</sup> 647 Anti-Mouse CD71 Antibody (filled gray histogram). Unstained bone marrow cells (empty black histogram) are used as control.

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

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

Rev. V1.7

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

Alternate Names CD71;TR;TfR1;TfR2;Transferrin receptor protein 1;Trfr

 Uniprot ID
 Q62351

 Gene ID
 22042

# For Research Use Only

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

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

# Elabscience®

#### **Elabscience Bionovation Inc.**

A Reliable Research Partner in Life Science and Medicine

# **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.

Fax: 1-832-243-6017