

## 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

<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, κ
<b>Clone No.</b>	R17 217.1.3/TIB-219
<b>Isotype Control</b>	Elab Fluor® 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M]
<b>Conjugation</b>	Elab Fluor® 647
<b>Conjugation Information</b>	Elab Fluor® 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).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

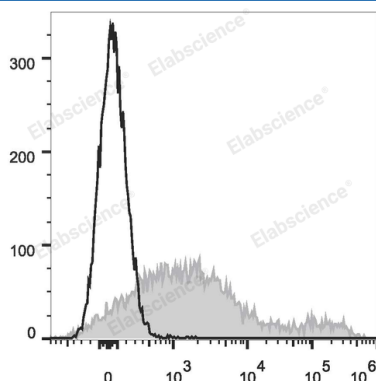
### Applications

### 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 µg/10<sup>6</sup> cells in 100 µL volume].

### Data



C57BL/6 murine bone marrow cells are stained with Elab

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

### Preparation & Storage

<b>Storage</b>	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.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CD71;TR;TfR;TfR1;Tfrc;Transferrin receptor protein 1;Trfr
<b>Uniprot ID</b>	Q62351
<b>Gene ID</b>	22042

### For Research Use Only

## 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.