

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

**Catalog Number:** GFH1093UC

**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, $\kappa$                                                                                                                                      |
| <b>Clone No.</b>               | R17 217.1.3/TIB-219                                                                                                                                      |
| <b>Isotype Control</b>         | FITC Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09833C]                                                                                     |
| <b>Conjugation</b>             | FITC                                                                                                                                                     |
| <b>Conjugation Information</b> | 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). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

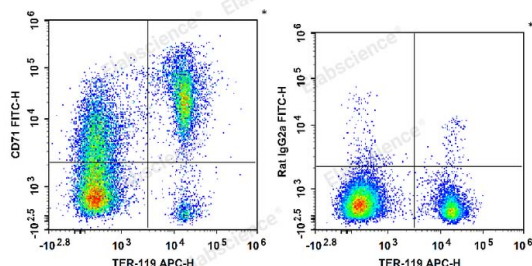
### Applications

### 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  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  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,  $\kappa$  Isotype Control (Right).

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Keep as concentrated solution.<br>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>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.