

## PE/Cyanine7 Anti-Mouse CD71 Antibody[R17 217.1.3/TIB-219]

Catalog Number: GFH1093H

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

### Description

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                      |
| Host                    | Rat                                                                                                                                                                                                        |
| Isotype                 | Rat IgG2a, $\kappa$                                                                                                                                                                                        |
| Clone No.               | R17 217.1.3/TIB-219                                                                                                                                                                                        |
| Isotype Control         | PE/Cyanine7 Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832H]                                                                                                                                |
| Conjugation             | PE/Cyanine 7                                                                                                                                                                                               |
| Conjugation Information | PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                                                        |

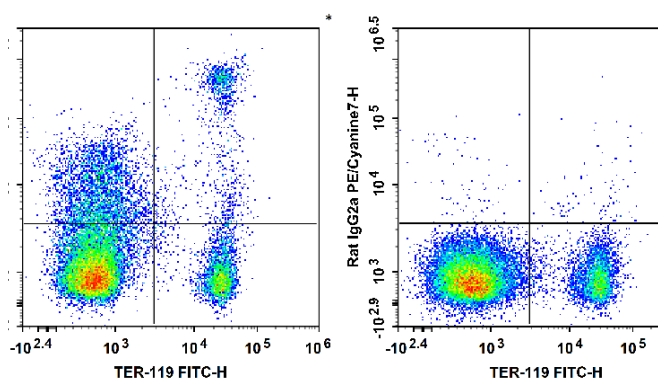
### Applications

### Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of C57BL/6 murine bone marrow cells with FITC Anti-Mouse TER-119 Antibody[TER-119] and PE/Cyanine7 Anti-Mouse CD71 Antibody[R17 217.1.3/TIB-219] (left) or PE/Cyanine7 Rat IgG2a,  $\kappa$  Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Alternate Names | CD71;TR;TfR;TfR1;Tfrc;Transferrin receptor protein 1;Trfr |
| Gene ID         | 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.