

## PE/Elab Fluor® 594 Anti-Mouse CD71 Antibody[R17 217.1.3/TIB-219]

Catalog Number: E-AB-F1093P

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

### Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, κ
Clone No.	R17 217.1.3/TIB-219
Isotype Control	PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832P]
Conjugation	PE/Elab Fluor® 594
Conjugation Information	PE/Elab Fluor® 594 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 620 nm (e.g., a 610/20 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

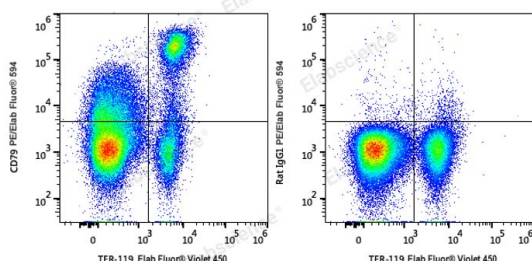
### Applications

### Recommended usage

#### FCM

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

### Data



C57BL/6 murine bone marrow cells are stained with Elab Fluor® Violet 450 Anti-Mouse TER-119 Antibody and PE/Elab Fluor® 594 Anti-Mouse CD71 Antibody (Left). Bone marrow cells stained with Elab Fluor® Violet 450 Anti-Mouse TER-119 Antibody and PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control (Right) 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 exposure to light and do not freeze.
Shipping	Ice bag

### Antigen Information

Alternate Names	CD71;TR;TfR;TfR1;Tfrc;Transferrin receptor protein 1;Trfr
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### For Research Use Only

**Uniprot ID**

Q62351

**Gene ID**

22042

**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.