

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD71 Monoclonal Antibody(AF647  
Conjugated)

**Catalog:** DL21079F

**Synonyms:** Transferrin receptor protein  
1, Tfrc, TR, TfR, TfR1, Trfr, CD71

**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.

**Form:** Liquid

**Isotype:** Rat IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** AF647

**SwissProt:** Q62351

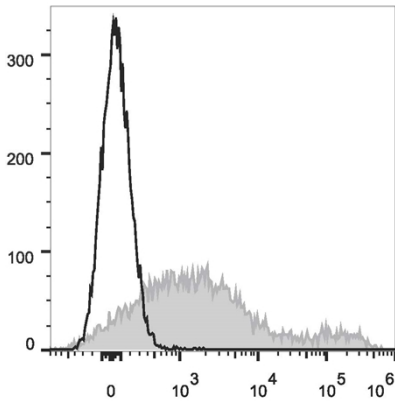
**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### Recommended Use:

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 Anti-Mouse CD71 Monoclonal Antibody(AF647 Conjugated)[Used at 0.2  $\mu$ g/10<sup>6</sup> cells dilution](filled gray histogram). Unstained bone marrow cells (empty black histogram) are used as control.



### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.