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## PE/Cyanine 5.5 Anti-Mouse CD71 Antibody [R17 217.1.3/TIB-219]

Catalog Number: E-AB-F1093UI

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/Cyanine5.5 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833I]

Conjugation PE/Cyanine 5.5

Conjugation Information PE/Cyanine5.5 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 690 nm

(e.g., a 690/50 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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  $0.1-1 \mu g/10^6$  cells

in 100 µL volume].

**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

 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.