

**PRODUCT INFORMATION**

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|---|---|
| <b>Clone ID</b>                         | 7C1   |
| <b>Target</b>                           | TFRC  |
| <b>Synonyms</b>                         | TR;TfR;TfR1;Trfr;T9;p90;CD71  |
| <b>Host Species</b>                     | Rabbit  |
| <b>Description</b>                      | Anti-TFRC antibody(7C1), IgG1 Chimeric mAb  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P02786  |
| <b>IgG type</b>                         | Rabbit/Human Fc chimeric IgG1   |
| <b>Clonality</b>                        | Monoclonal  |
| <b>Reactivity</b>                       | Human   |
| <b>Applications</b>                     | Flow Cyt  |
| <b>Recommended Dilutions</b>            | Flow Cyt 1/100  |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography   |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by RefSeq, Sep 2015] |
| <b>Usage</b>                            | Research use only   |



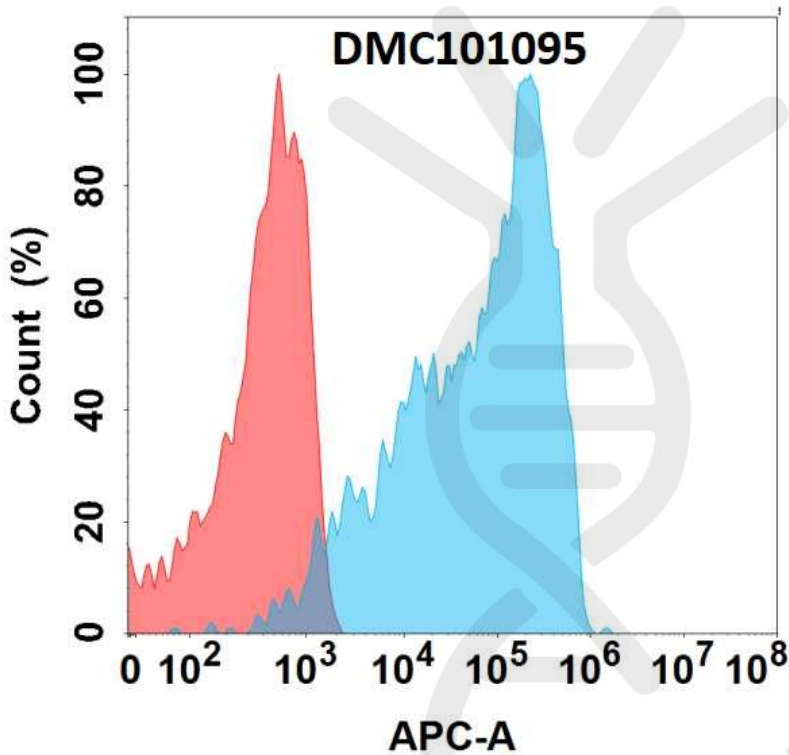


Figure 1. Flow cytometry analysis with 1µg/mL Anti-TFRC (7C1) mAb on Expi293 cells transfected with human TFRC (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

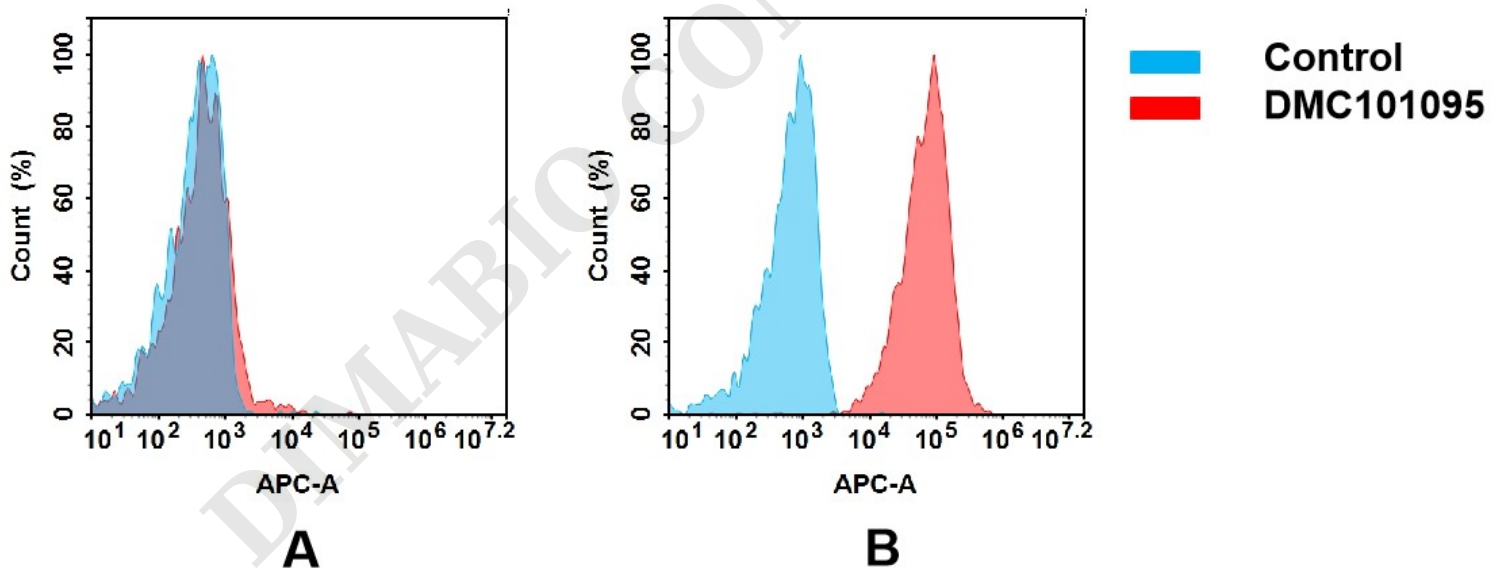


Figure 2. Flow cytometry analysis of antigen binding of anti-human TFRC mAb(DMC101095).

(A) DMC101095 does not bind to CHO-S cells that do not express TFRC.

(B) A clear peak shift of DMC101095 was seen compared to the control when incubated with TFRC-expressing Siha cells, indicating strong binding of DMC101095 to TFRC. Antibodies were incubated at 5 µg/mL.

