

## PRODUCT INFORMATION

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|---|---|
| <b>Clone ID</b>                         | DM115   |
| <b>Target</b>                           | TNFRSF10B   |
| <b>Synonyms</b>                         | TNFRSF10B;TRAILR2;TRAIL-R2;CD262;DR5;KILLER;TRICK2;ZTNFR9;TRICKB  |
| <b>Host Species</b>                     | Rabbit  |
| <b>Description</b>                      | Anti-TNFRSF10B antibody(DM115); Rabbit mAb  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | O14763  |
| <b>IgG type</b>                         | Rabbit IgG  |
| <b>Clonality</b>                        | Monoclonal  |
| <b>Reactivity</b>                       | Human   |
| <b>Applications</b>                     | ELISA; Flow Cyt   |
| <b>Recommended Dilutions</b>            | ELISA 1:5000-10000; 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>                       | The protein encoded by this gene is a member of the TNF-receptor superfamily; and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10:TRAIL:APO-2L); and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD; a death domain containing adaptor protein; is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human TNFRSF10B protein, mFc tagged protein PME100465 can bind Rabbit anti-TNFRSF10B monoclonal antibody (clone: DM115) in a linear range of 0.2-70 ng/ml.



Figure 2. TNFRSF10B protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-TNFRSF10B (DM115) on Expi293 cells transfected with human TNFRSF10B (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).



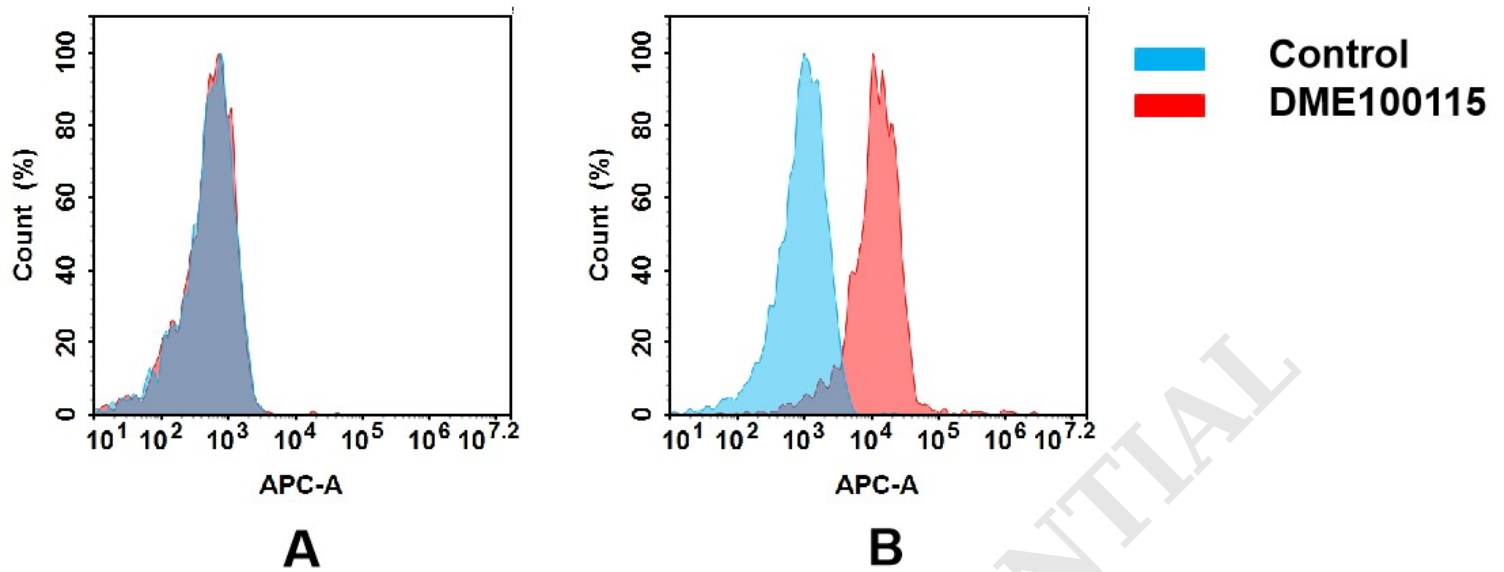


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human TNFRSF10B mAb(DME100115).

(A) DME100115 does not bind to CHO-S cells that do not express TNFRSF10B.

(B) A clear peak shift of DME100115 was seen compared to the control when incubated with TNFRSF10B-expressing SNU-5 cells, indicating strong binding of DME100115 to TNFRSF10B. Antibodies were incubated at 5  $\mu$ g/mL.

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