

**PRODUCT INFORMATION**

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|---|---|
| <b>Clone ID</b>                         | DM152   |
| <b>Target</b>                           | IL6R  |
| <b>Synonyms</b>                         | CD126; gp80; IL-6R-1; IL-6RA; IL6Q; IL6RA; IL6RQ  |
| <b>Host Species</b>                     | Rabbit  |
| <b>Description</b>                      | Anti-IL6R antibody(DM152); Rabbit mAb   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P08887  |
| <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>                       | This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST:GP130:IL6-beta); a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases; such as multiple myeloma; autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. A pseudogene of this gene is found on chromosome 9. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |
| <b>DIMA Disclaimer</b>                  | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.  |



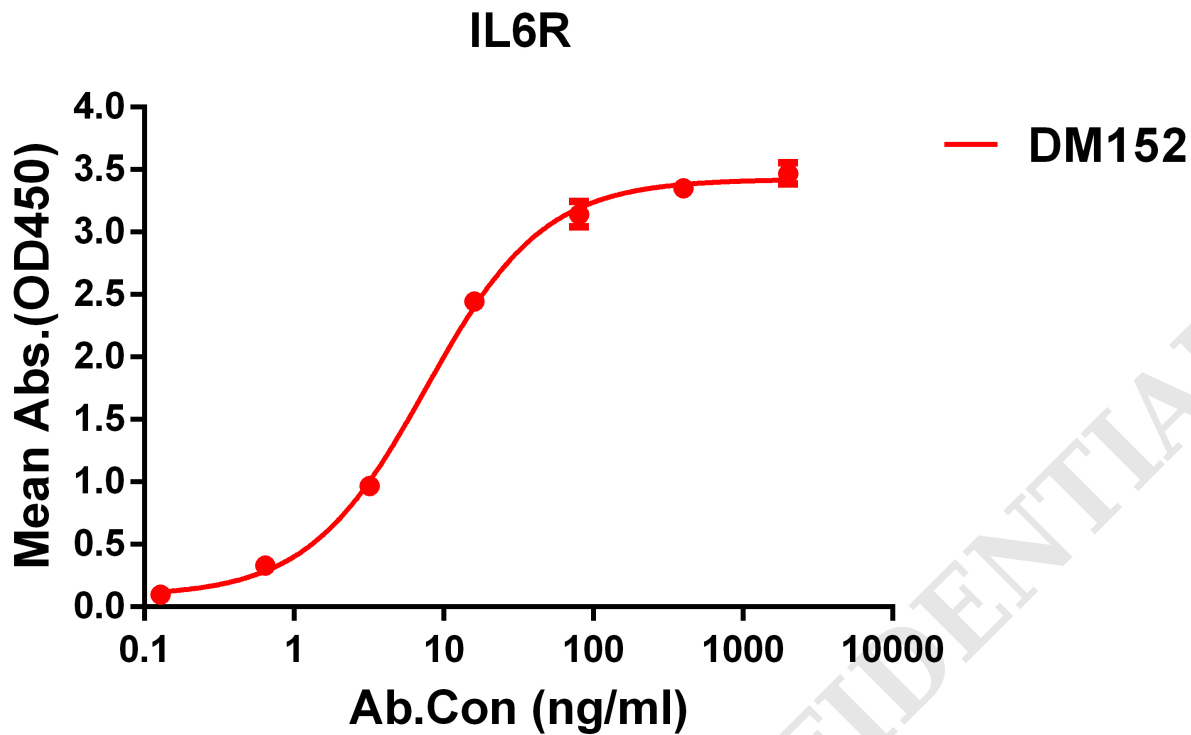


Figure 1. ELISA plate pre-coated by 1  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) Human IL6R protein, His tagged protein PME100109 can bind Rabbit anti-IL6R monoclonal antibody (clone: DM152) in a linear range of 1-100 ng/ml.

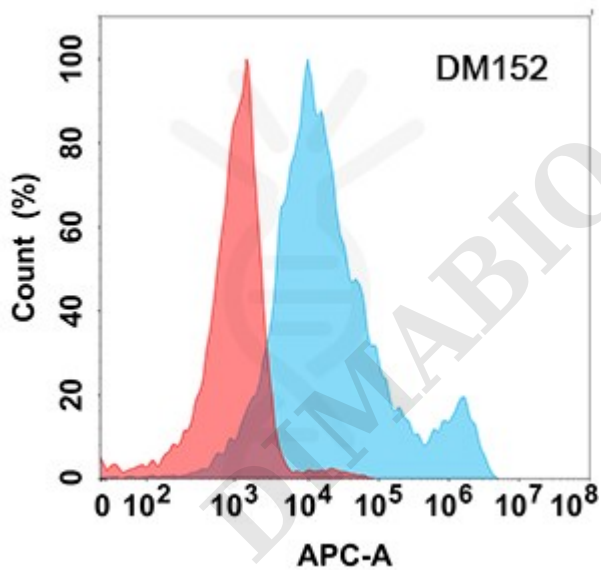


Figure 2. Flow cytometry analysis with Anti-IL-6R (DM152) on HEK293 cells transfected with human IL-6R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



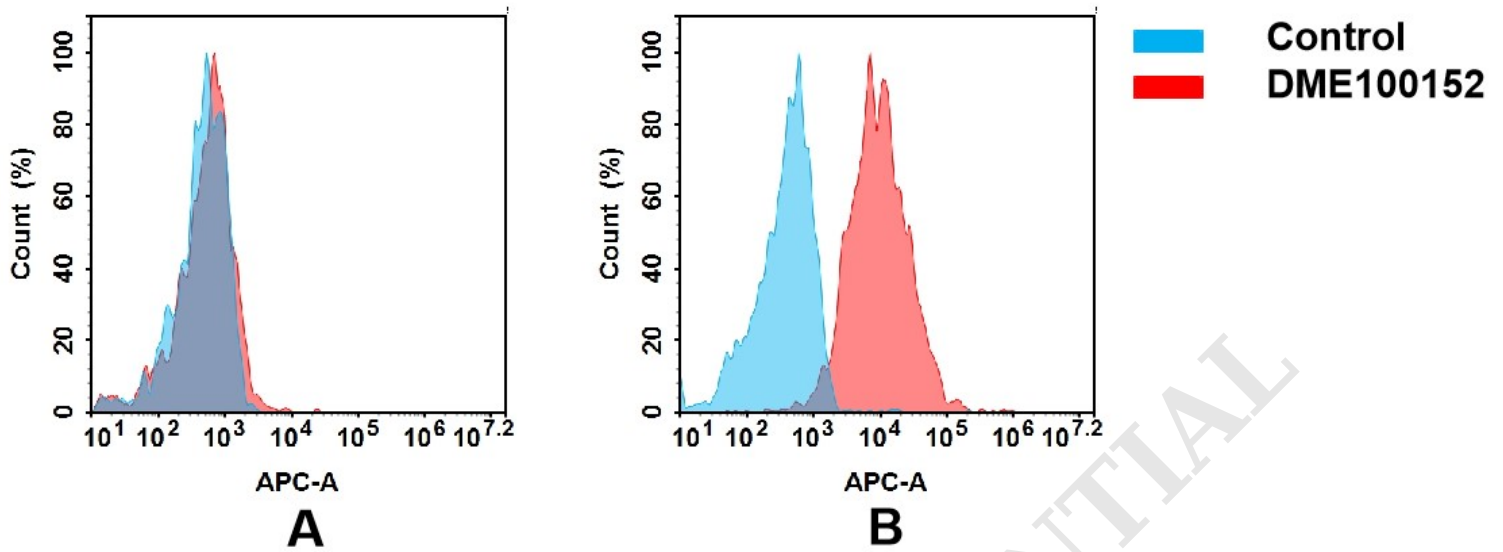


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human IL6R mAb(DME100152).

(A) DME100152 does not bind to CHO-S cells that do not express IL6R.

(B) A clear peak shift of DME100152 was seen compared to the control when incubated with IL6R-expressing THP-1 cells, indicating strong binding of DME100152 to IL6R. Antibodies were incubated at 5  $\mu\text{g}/\text{mL}$ .

