

PRODUCT INFORMATION

Clone ID DM152 **Target** IL6R

Synonyms CD126; gp80; IL-6R-1; IL-6RA; IL6Q; IL6RA; IL6RQ

Host Species Rabbit

Description Anti-IL6R antibody(DM152); Rabbit mAb

Delivery In Stock **Uniprot ID** P08887 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human

Applications ELISA; Flow Cyt

Recommended

Storage & Shipping

Background

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity **Purification**

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. 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.

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:IL6beta); 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.

Usage Research use only Conjugate Unconjugated

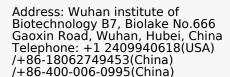
> All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are

> > Email: info@dimabio.com Website: www.dimabio.com

DIMA Disclaimer

actively scrutinizing all patent application to

ensure no IP infringement.





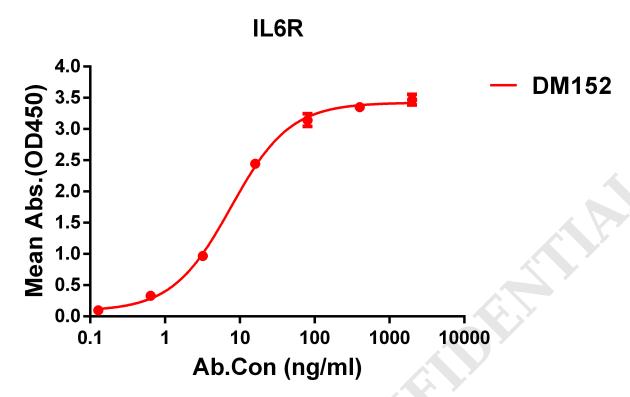


Figure 1. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human IL6R protein, His tagged protein PME100109 can bind Rabbit anti-IL6R monoclonal antibody (clone: DM152) in a linear range of 1-100 ng/ml.

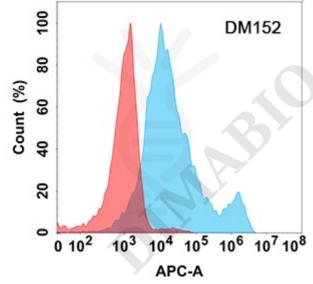
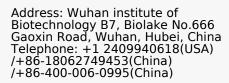


Figure 2. Flow cytometry analysis with Anti-IL-6R (DM152) on HEK293 cells transfected with human IL-6R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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Cat. No. DME100152



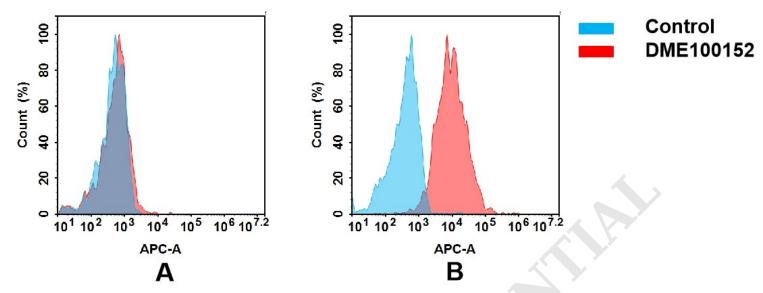


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human IL6R mAb(DME100152). (A) DME100152 does not bind to CHO-S cells that do not express IL6R. (B) A clear peak shift of DME100152 was seen compared to the control when incubated with IL6R-expressing THP-1 cells, indicating strong binding of DME100152 to IL6R. Antibodies were incubated at 5 μ g/mL.

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