## PRODUCT INFORMATION

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|---|---|
| **Clone ID** | DM174 |
| **Target** | ROR2 |
| **Synonyms** | ROR2;NTRKR2 |
| **Host Species** | Rabbit |
| **Description** | Anti-ROR2 antibody(DM174); Rabbit mAb |
| **Delivery** | In Stock |
| **Uniprot ID** | Q01974 |
| **IgG type** | Rabbit IgG |
| **Clonality** | Monoclonal |
| **Reactivity** | Human |
| **Applications** | ELISA; Flow Cyt; WB |
| **Recommended Dilutions** | ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000 |
| **Purification** | Purified from cell culture supernatant by affinity chromatography |
| **Formulation & Reconstitution** | 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. |
| **Storage&Shipping** | 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. |
| **Background** | The protein encoded by this gene is a receptor protein tyrosine kinase and type I transmembrane protein that belongs to the ROR subfamily of cell surface receptors. The protein may be involved in the early formation of the chondrocytes and may be required for cartilage and growth plate development. Mutations in this gene can cause brachydactyly type B; a skeletal disorder characterized by hypoplasia:aplasia of distal phalanges and nails. In addition; mutations in this gene can cause the autosomal recessive form of Robinow syndrome; which is characterized by skeletal dysplasia with generalized limb bone shortening; segmental defects of the spine; brachydactyly; and a dysmorphic facial appearance. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |
| **DIMA Disclaimer** | 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 scr |



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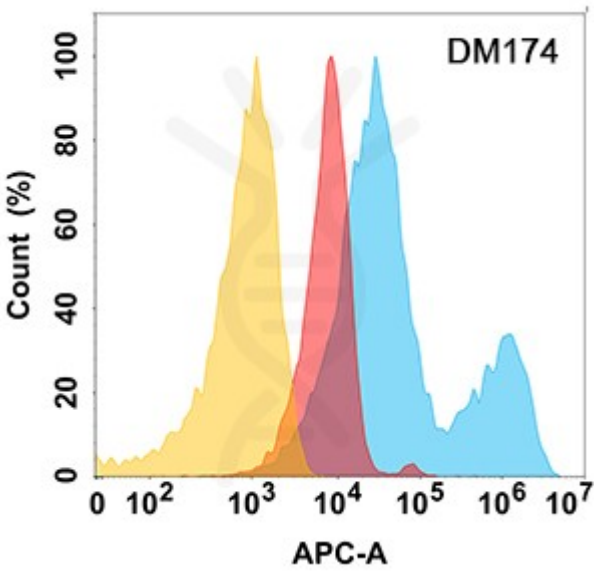


Figure 1. ROR2 protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-ROR2 (DM174) on HEK293 cells transfected with human ROR2 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

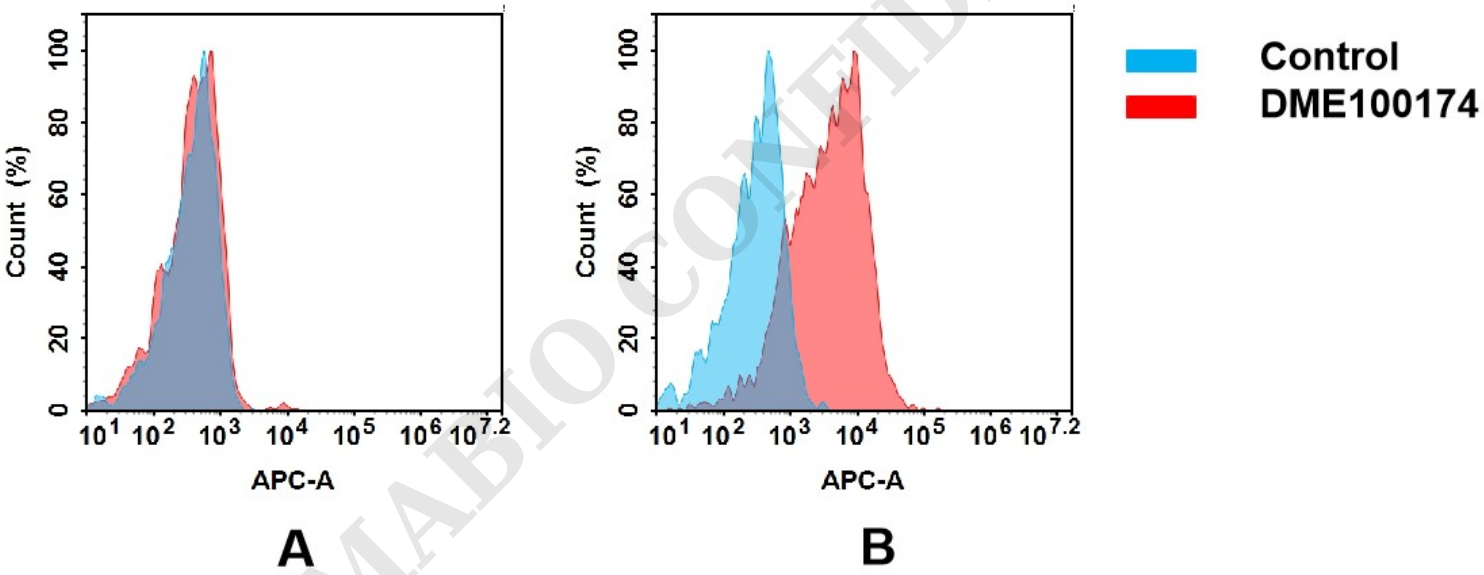


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human ROR2 mAb(DME100174).

(A) DME100174 does not bind to Jurkat cells that do not express ROR2.
(B) A clear peak shift of DME100174 was seen compared to the control when incubated with ROR2-expressing Raji cells, indicating strong binding of DME100174 to ROR2. Antibodies were incubated at 5 μg/mL.



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Anti-ROR2 antibody(DM174), Rabbit mAb

Cat. No. DME100174

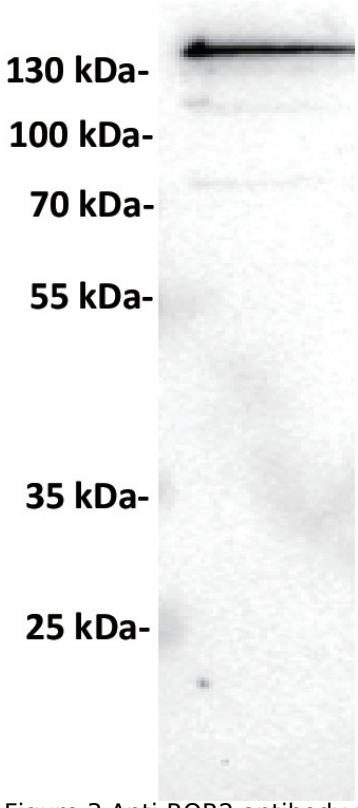


Figure 3.Anti-ROR2 antibody (SKU# DME100174) at 1/1000 dilution

Lane : RAJI(human Burkitt's lymphoma B lymphocyte), whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 105 kDa
Observed band size: 140 kDa



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