

PRODUCT INFORMATION

| | |
|---|--|
| Clone ID | DM53 |
| Target | B7-H3 |
| Synonyms | B7-H3; CD276; B7 homolog 3; B7H3 |
| Host Species | Rabbit |
| Description | Anti-B7-H3 antibody(DM53); Rabbit mAb |
| Delivery | In Stock |
| Uniprot ID | Q5ZPR3 |
| IgG type | Rabbit IgG |
| Clonality | Monoclonal |
| Reactivity | Human |
| Applications | ELISA; Flow Cyt |
| Recommended Dilutions | ELISA 1:5000-10000; Flow Cyt 1:100 |
| 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 belongs to the immunoglobulin superfamily; and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors; the protein is preferentially expressed only in tumor tissues. Additionally; it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA; and there is an inverse correlation between the expression of this protein and miR29 levels; suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| 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 scrutinizing all patent application to ensure no IP infringement. |



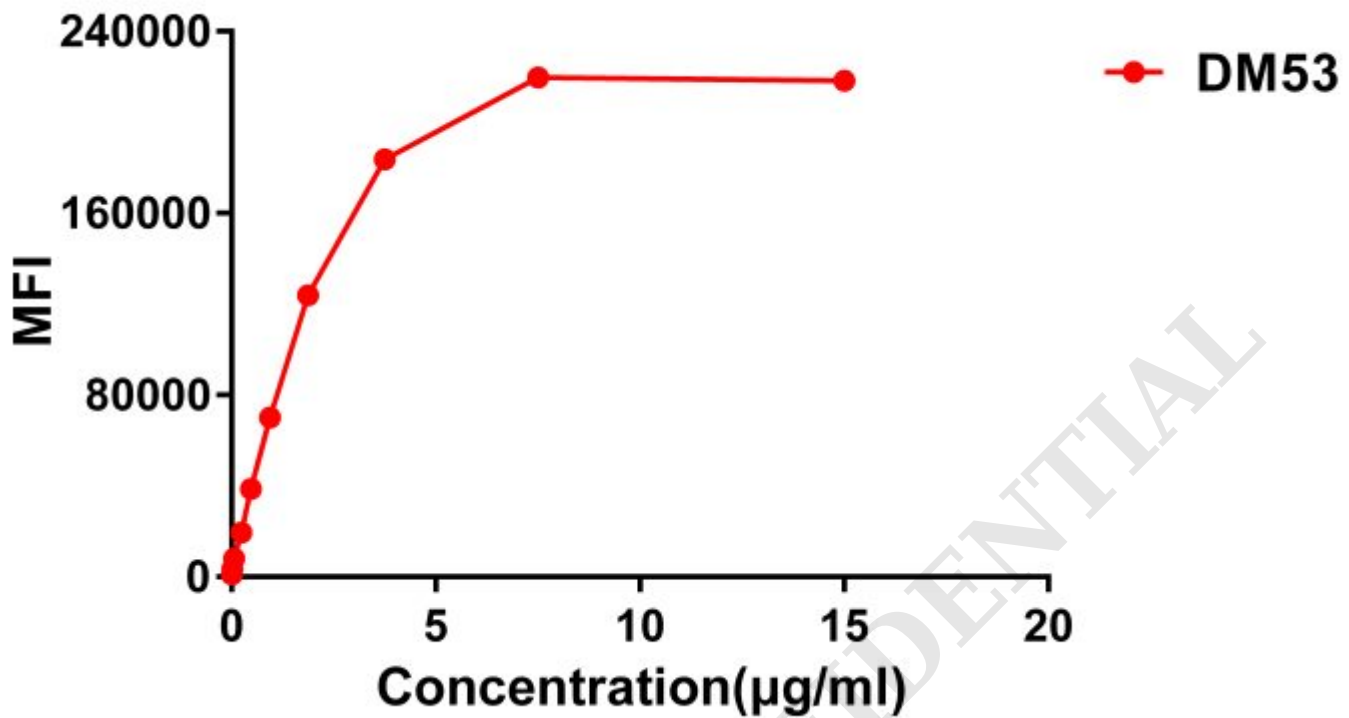
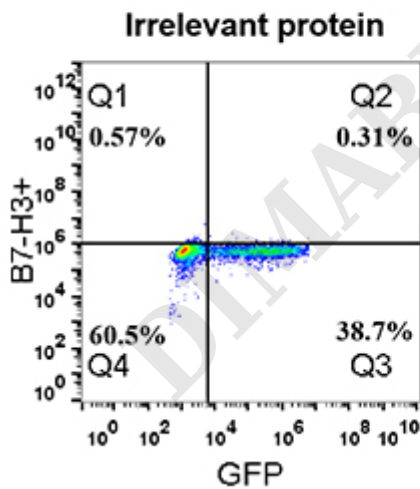


Figure 1. Flow cytometry data of serially titrated Rabbit anti-B7H3 monoclonal antibody (**clone: DM53**) on on Expi 293 cell line transfected with human B7-H3. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

A



B

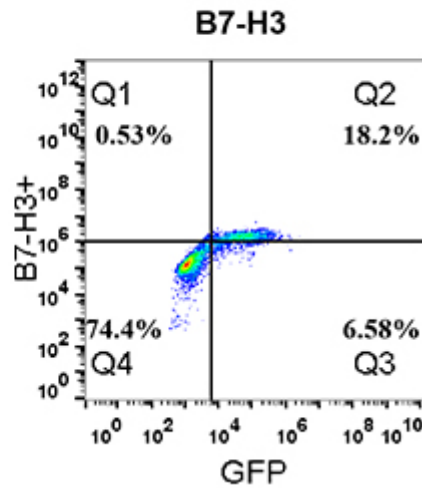


Figure 2. Expi 293 cell line transfected with irrelevant protein (**A**) and human B7-H3 (**B**) were surface stained with Rabbit anti-B7-H3 monoclonal antibody 1µg/ml (**clone: DM53**) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

