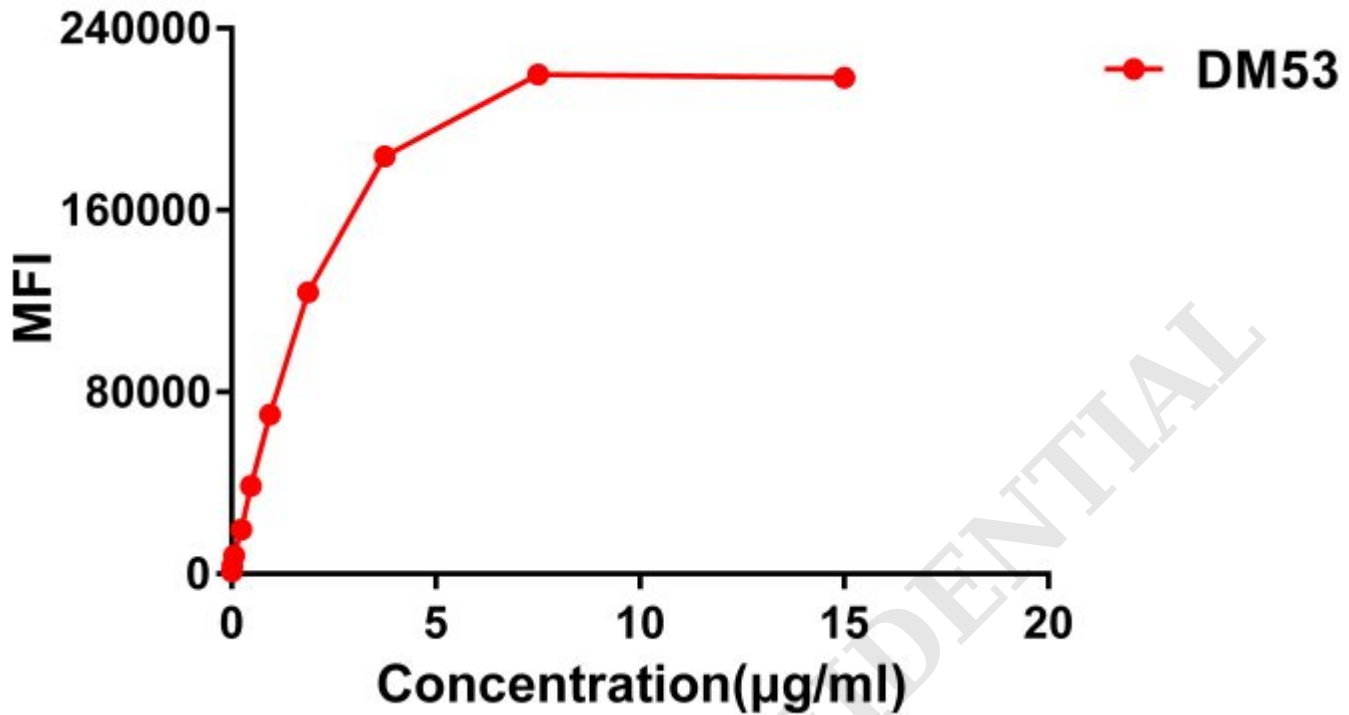


**PRODUCT INFORMATION**

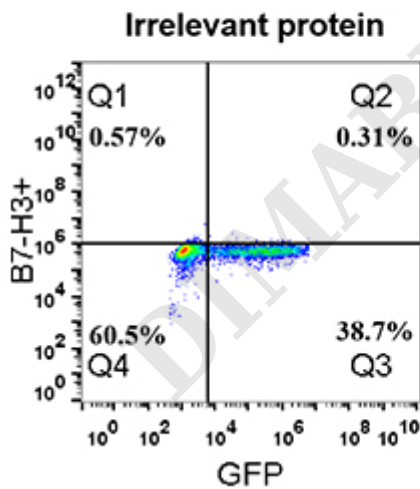
<b>Clone ID</b>	DM53
<b>Target</b>	B7-H3
<b>Synonyms</b>	B7-H3; CD276; B7 homolog 3; B7H3
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-B7-H3 antibody(DM53); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q5ZPR3
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<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 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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



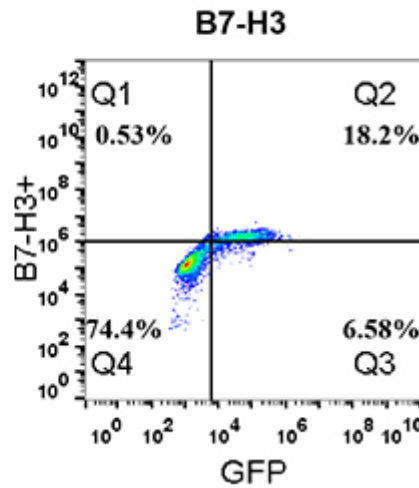


**Figure 1.** Flow cytometry data of serially titrated Rabbit anti-B7H3 monoclonal antibody (**clone: DM53**) on on Expi 293 cell line transfected with human B7-H3. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

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.

