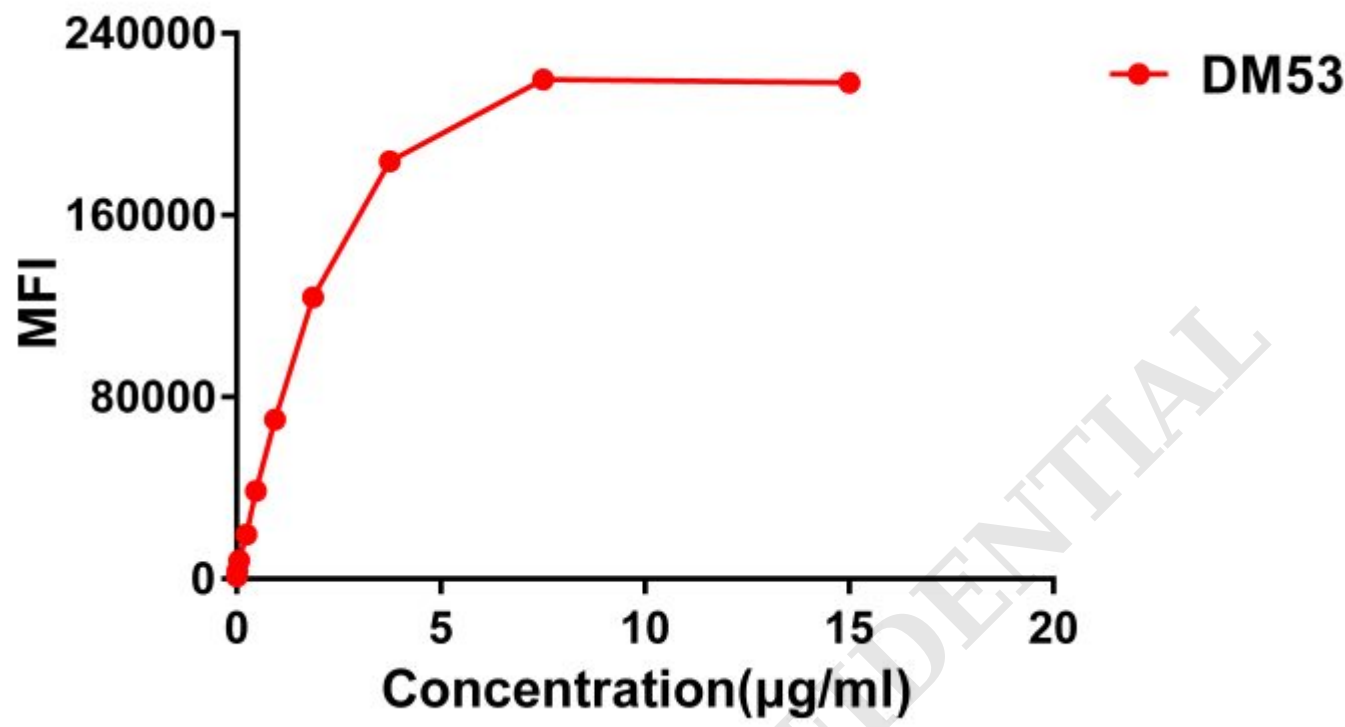


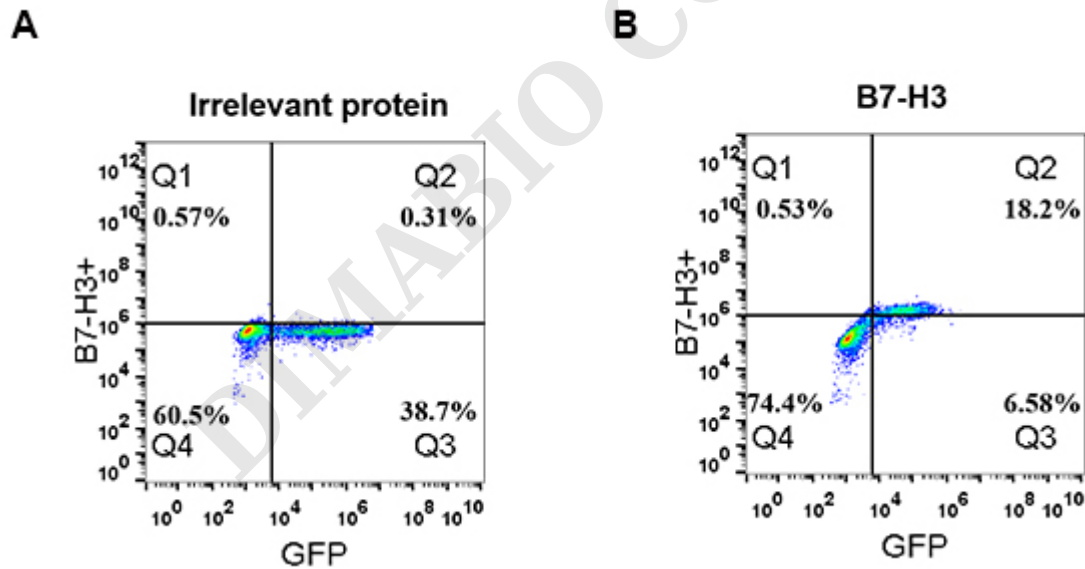
PRODUCT INFORMATION

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





**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.



**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.

