

## 12-9043: Anti-B7-H3 antibody(DM53), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DM53
<b>Application :</b>	ELISA,FACS
<b>Reactivity :</b>	Human
<b>Alternative Name :</b>	B7-H3, CD276, B7 homolog 3, B7H3
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant human B7H3(Leu29-Pro245) produced by using human HEK293 cells

### Description

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.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS,pH 7.4; 0.1% BSA Not Sterile
<b>Storage condition :</b>	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

### Application Note

Recommended Dilutions ELISA 1/5000-10000;FACS 1/100

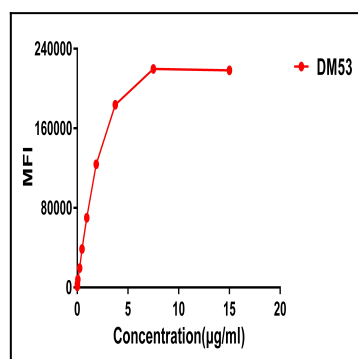


Figure 1. FACS data of serially titrated Rabbit anti-B7H3 monoclonal antibody (clone: DM53) on on Expi 293 cell line transfected with human B7-H3. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

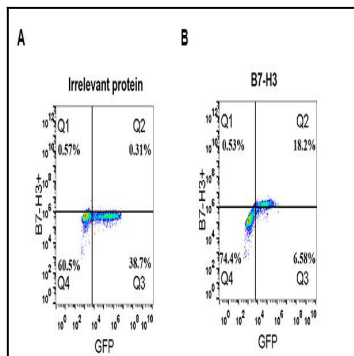


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human B7-H3 (B) were surface stained with Rabbit anti-B7-H3 monoclonal antibody 1µg/ml (clone: DM53) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.