

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

Clonality :	Monoclonal
Clone Name :	DM53
Application :	ELISA,FACS
Reactivity :	Human
Alternative Name :	B7-H3, CD276, B7 homolog 3, B7H3
Isotype :	Rabbit IgG
Immunogen Information :	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

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

Application Note

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

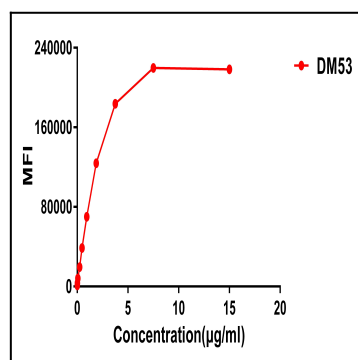


Figure 1. FACS data of serially titrated Rabbit anti-B7H3 monoclonal antibody (clone: DM53) on on Expi 293 cell line transfected with human B7-H3. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

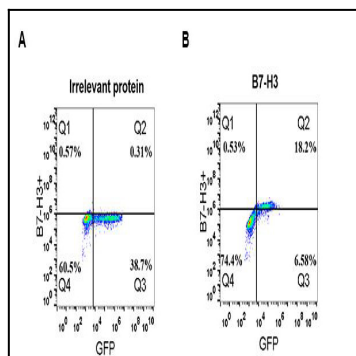


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human B7-H3 (B) were surface stained with Rabbit anti-B7-H3 monoclonal antibody 1µg/ml (clone: DM53) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.