

B7-H3 (DM53) RABBIT MAB

Cat.#: 28351

Product Name: Anti-B7-H3(DM53) Rabbit Monoclonal Antibody

Synonyms: B7-H3; CD276; B7 homolog 3; B7H3

Description: Anti-B7-H3 antibody(DM53) Rabbit Monoclonal Antibody

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.

Applications: ELISA; Flow Cyt

Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100

Host Species: Rabbit

Isotype: Rabbit IgG

Purification: Purified from cell culture supernatant by affinity chromatography

Species Reactivity: Human B7-H3

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % - 8% trehalose is added as protectants before lyophilization.

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).

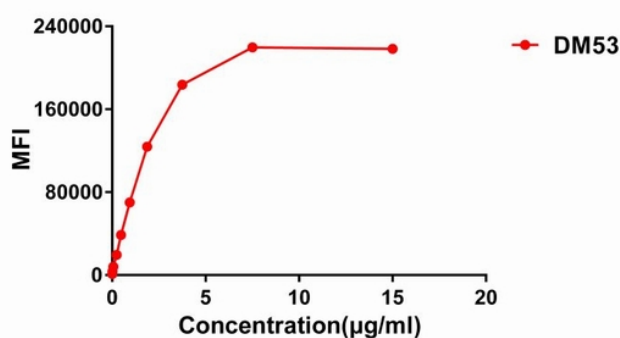


Figure 1. Flow cytometry data of serially titrated Rabbit anti-B7H3 monoclonal antibody (clone: DM53) on on Expi 293 cell line transfected with human B7-H3. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

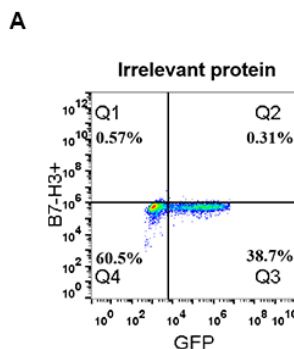


Figure 2. Expi 293 cell line transfected with irrelevant protein (A) and human B7-H3 (B) were surface stained with Rabbit anti-B7-H3 monoclonal antibody 1µg/ml (clone: DM53) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.