PRODUCT INFORMATION

Clone ID	DMC444
Target	BST1
Synonyms	CD157
Host Species	Rabbit
Description	Anti-BST1 antibody(DMC444); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	Q10588
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt
Recommended Dilutions	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	Bone marrow stromal cell antigen-1 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that facilitates pre-B-cell growth. The deduced amino acid sequence exhibits 33% similarity with CD38. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be; at least in part; attributed to BST1 overexpression in the stromal cell population.
Usage	Research use only

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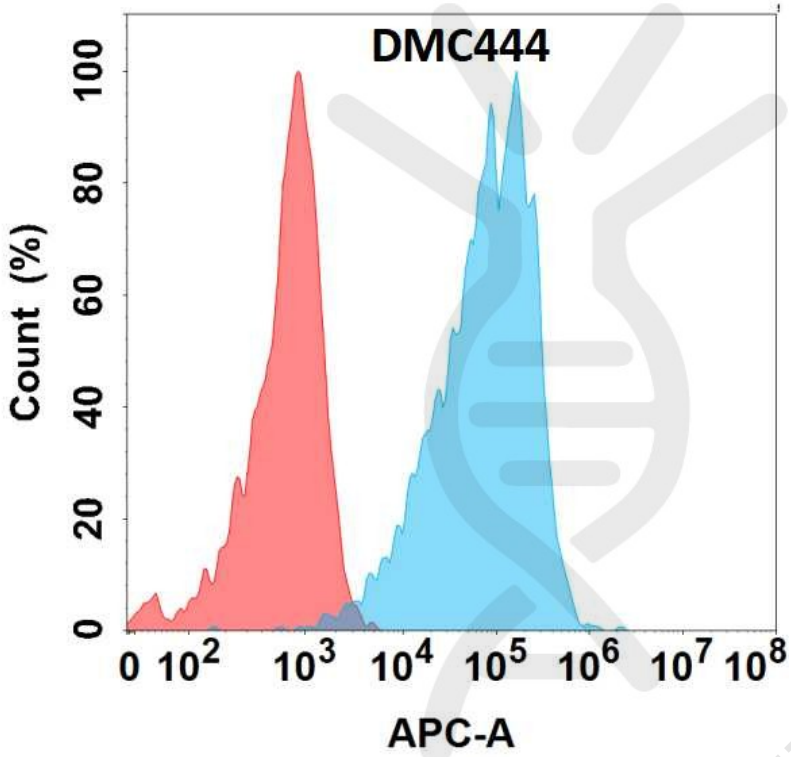

Figure 1. Flow cytometry analysis with Anti-BST1 (DMC444) on Expi293 cells transfected with human BST1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

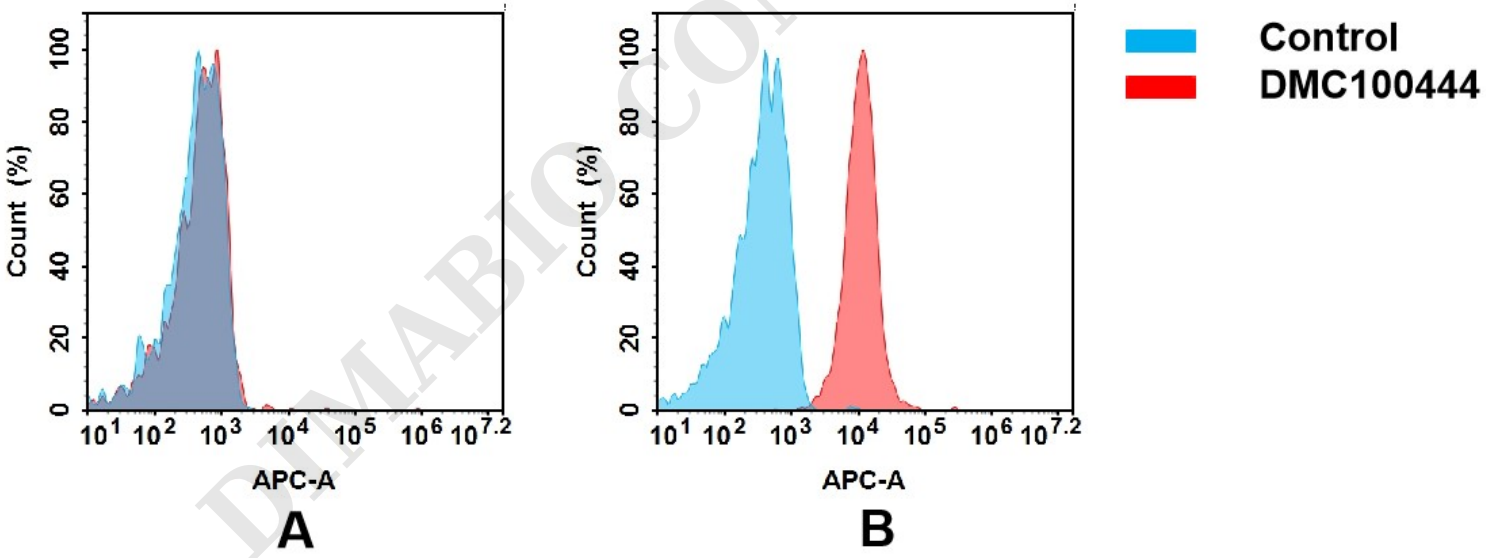

Figure 2. Flow cytometry analysis of antigen binding of anti-human BST1 mAb(DMC100444).
(A) DMC100444 does not bind to CHO-S cells that do not express BST1.
(B) A clear peak shift of DMC100444 was seen compared to the control when incubated with BST1-expressing THP-1 cells, indicating strong binding of DMC100444 to BST1. Antibodies were incubated at 5 μg/mL.

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