

**PRODUCT INFORMATION**

<b>Clone ID</b>	DMC444
<b>Target</b>	BST1
<b>Synonyms</b>	CD157
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-BST1 antibody(DMC444); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q10588
<b>IgG type</b>	Rabbit/Human Fc chimeric IgG1
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



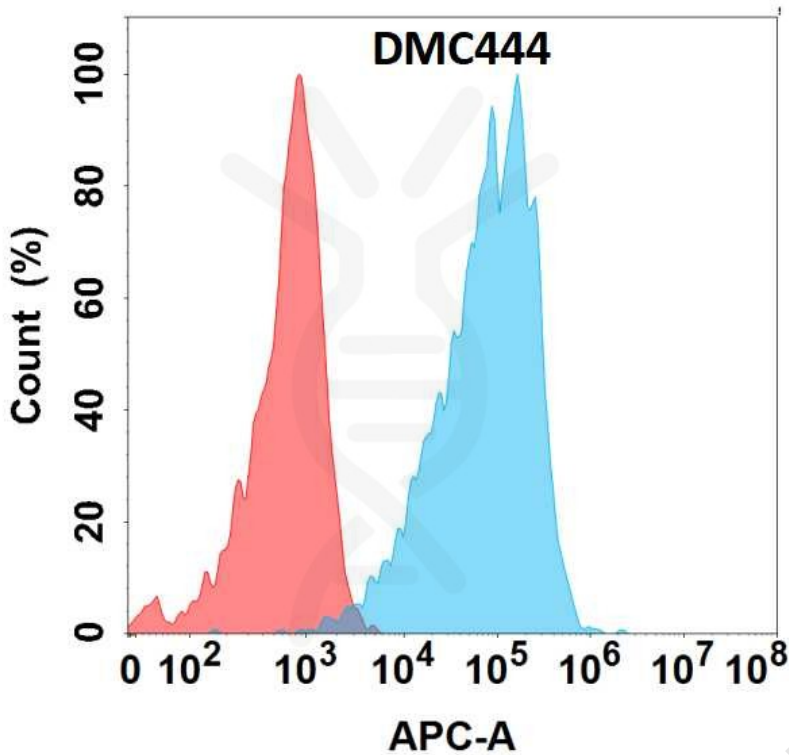


Figure 1. Flow cytometry analysis with Anti-BST1 (DMC444) on Expi293 cells transfected with human BST1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

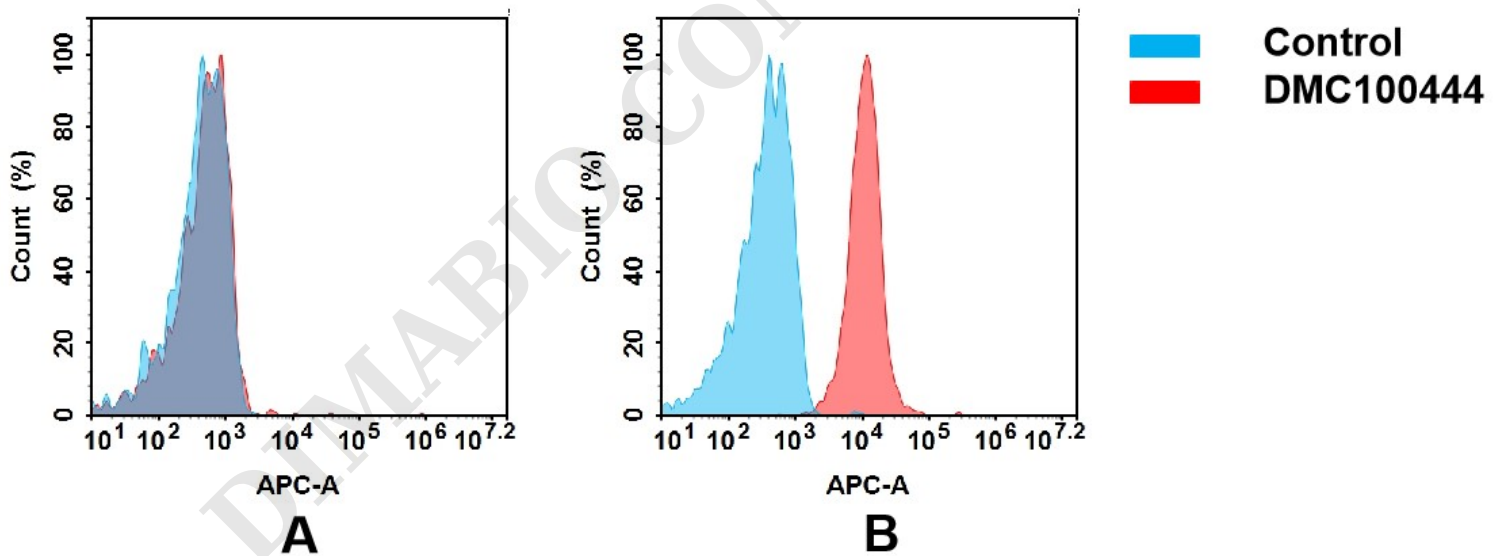


Figure 2. Flow cytometry analysis of antigen binding of anti-human BST1 mAb(DMC100444).  
 (A) DMC100444 does not bind to CHO-S cells that do not express BST1.  
 (B) A clear peak shift of DMC100444 was seen compared to the control when incubated with BST1-expressing THP-1 cells, indicating strong binding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

