

PRODUCT INFORMATION

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| 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 |
| Conjugate | Unconjugated |
| DIMA Disclaimer | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement. |



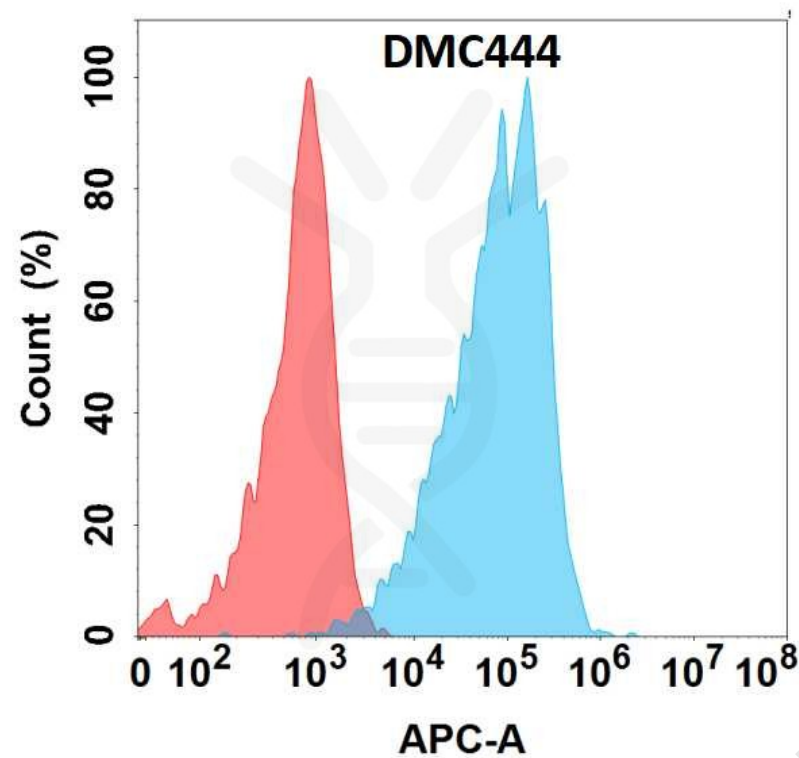


Figure 1. Flow cytometry analysis with Anti-BST1 (DMC444) on HEK293 cells transfected with human BST1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

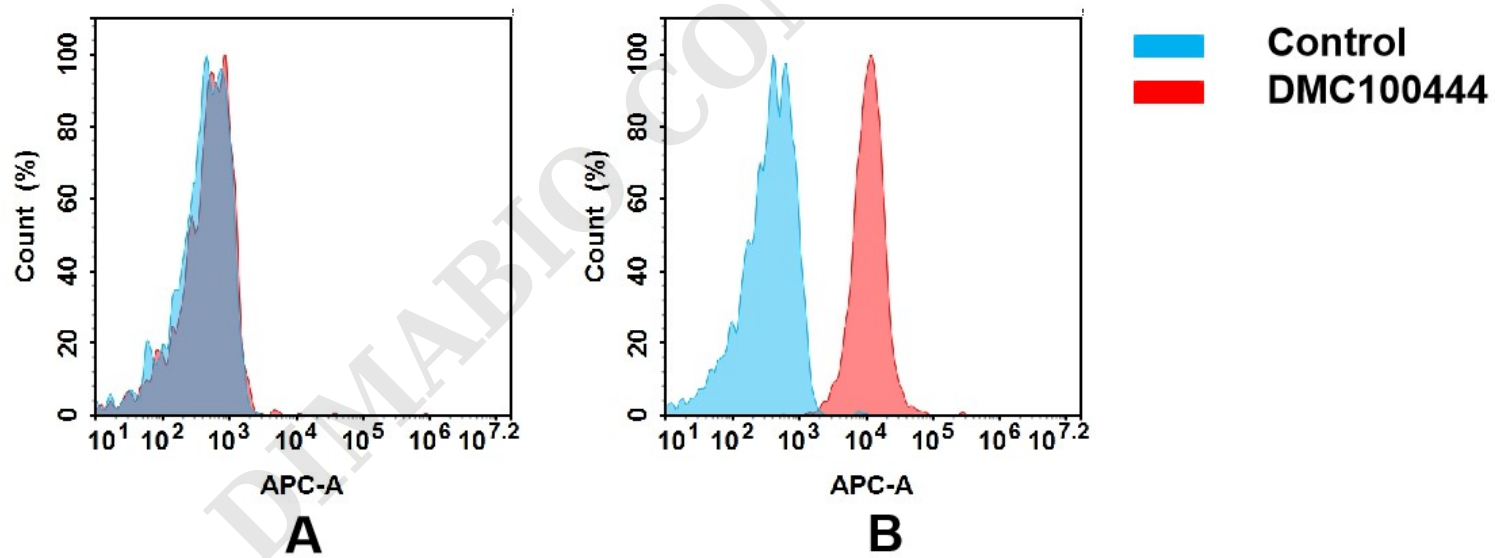


Figure 2. Flow cytometry analysis of antigen binding of anti-human BST1 mAb(DMC100444).
(A) DMC100444 does not bind to CHO-S cells that do not express BST1.
(B) A clear peak shift of DMC100444 was seen compared to the control when incubated with BST1-expressing THP-1 cells, indicating strong binding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

