## PRODUCT INFORMATION

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| **Clone ID** | 1G6 |
| **Target** | CD6 |
| **Synonyms** | TP120 |
| **Host Species** | Rabbit |
| **Description** | Anti-CD6 antibody(1G6); IgG1 Chimeric mAb |
| **Delivery** | In Stock |
| **Uniprot ID** | P30203 |
| **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** | This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |



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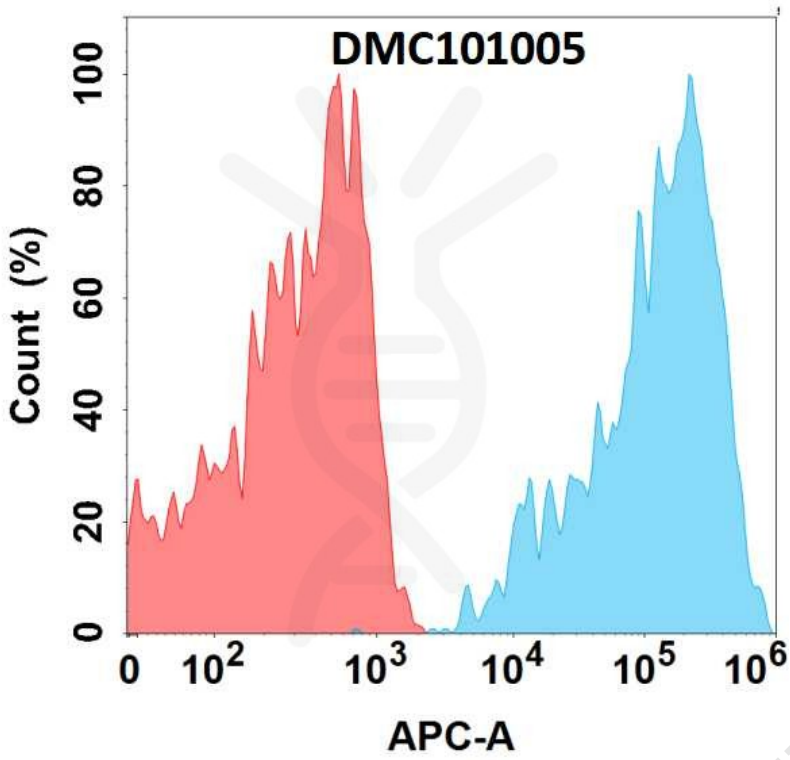


Figure 1. Flow cytometry analysis with Anti-CD6 (1G6) mAb on Expi293 cells transfected with human CD6 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

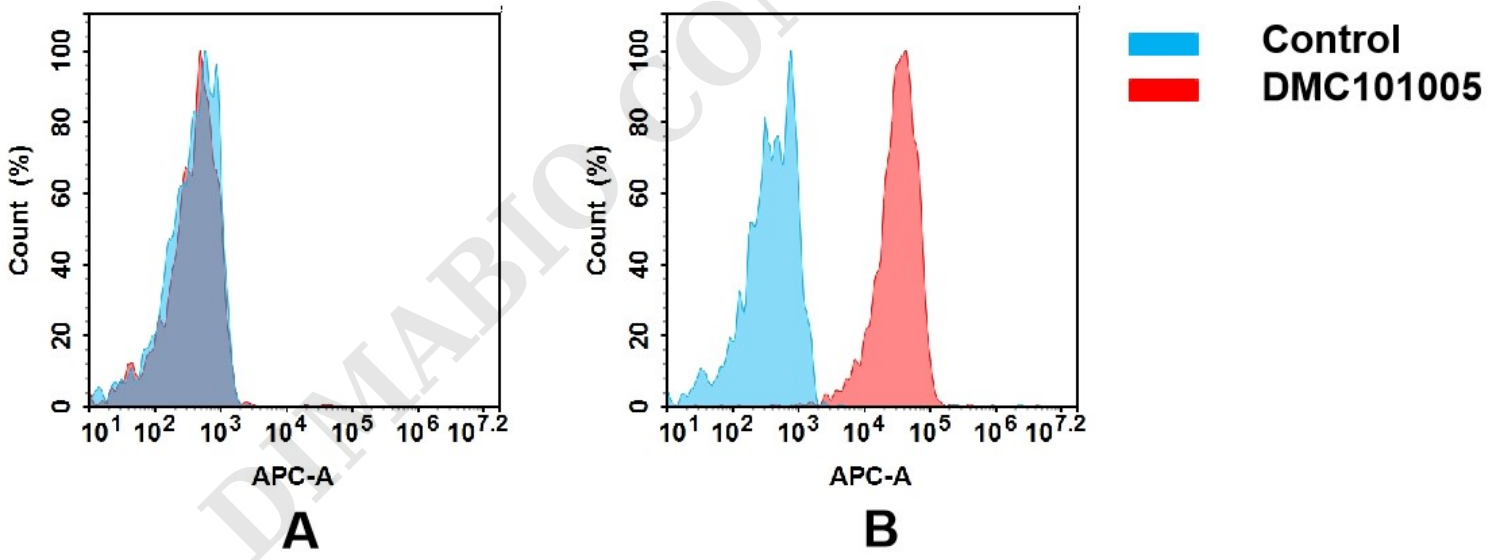


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD6 mAb(DMC101005).
(A) DMC101005 does not bind to CHO-S cells that do not express CD6.
(B) A clear peak shift of DMC101005 was seen compared to the control when incubated with CD6-expressing HUT78 cells, indicating strong binding of DMC101005 to CD6. Antibodies were incubated at 5 μg/mL.



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