

Product datasheet for **TA506241BM**

CD19 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2B11]

Product data:

| | |
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| Product Type: | Primary Antibodies |
| Clone Name: | OTI2B11 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:4000, IF 1:100 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human CD19(NP_001761) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | HRP |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 60.9 kDa |
| Gene Name: | CD19 molecule |
| Database Link: | NP_001761 Entrez Gene 930 Human P15391 |
| Background: | Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq, Jul 2008] |

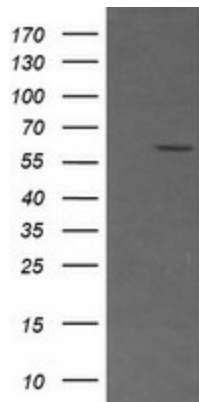


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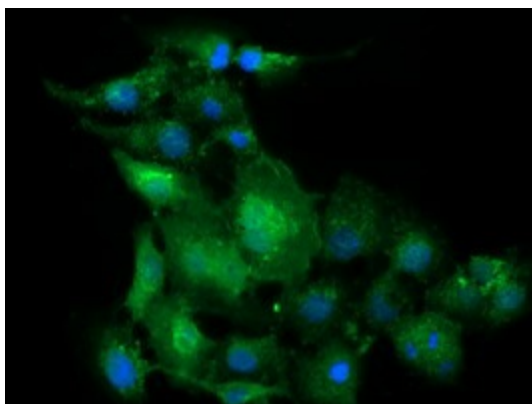
Synonyms: B4; CVID3

Protein Families: Druggable Genome, Transmembrane

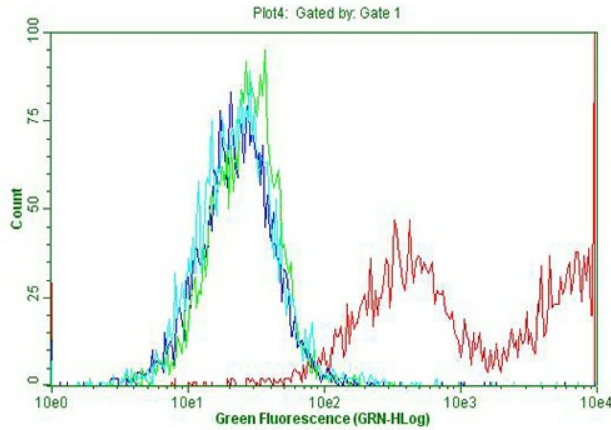
Protein Pathways: B cell receptor signaling pathway, Hematopoietic cell lineage, Primary immunodeficiency

Product images:

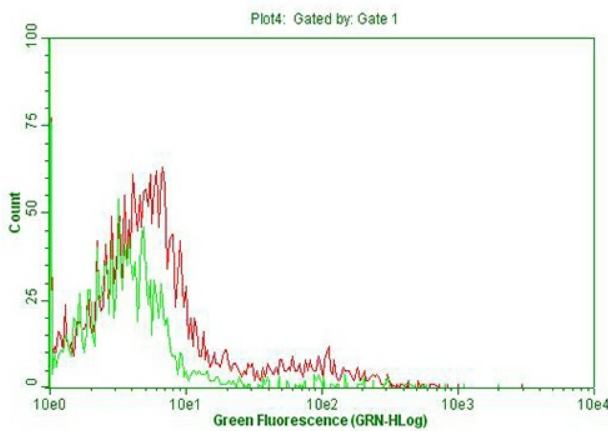
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD19 ([RC202922], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD19. Positive lysates [LY400678] (100ug) and [LC400678] (20ug) can be purchased separately from OriGene.



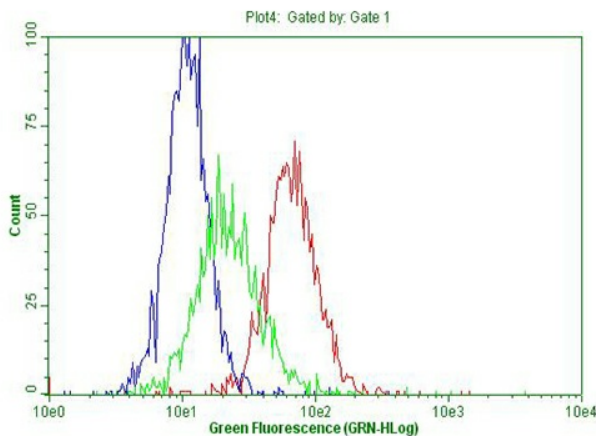
Anti-CD19 mouse monoclonal antibody ([TA506241]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD19 ([RC202922]).



Living HEK293T cells transfected with either CD19 ([RC202922]) overexpression plasmid or empty vector control plasmid were immunostained by either anti-CD19 antibody ([TA506241]) or a nonspecific negative control antibody ([TA180143]) and then analyzed by flow cytometry. CD19 (red) or empty vector (blue) transfected cells with anti-CD19 antibody. CD19 (green) or empty vector (aqua) transfected cells with control antibody (1:100).



Flow cytometric Analysis of living RBC-lysed human peripheral blood cells, using anti-human CD19 antibody ([TA506241]), (Red), compared to a nonspecific negative control antibody ([TA180144]), (green) and PBS, (blue) (1:20).



Flow cytometric Analysis of living Raji cells, using anti-CD19 antibody ([TA506241]), (Red), compared to a nonspecific negative control antibody [TA180143], (green), or PBS (blue) (1:20).