

Product datasheet for **CF506240**

CD19 Mouse Monoclonal Antibody [Clone ID: OTI2F6]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2F6 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:4000, IF 1:100, FLOW 1:50 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human CD19(NP_001761) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| 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 |



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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]

Synonyms:

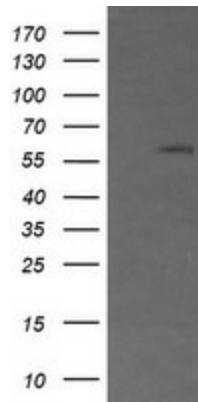
B4; CVID3

Protein Families:

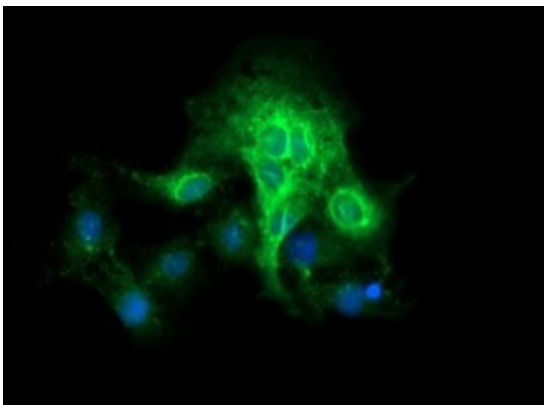
Druggable Genome, Transmembrane

Protein Pathways:

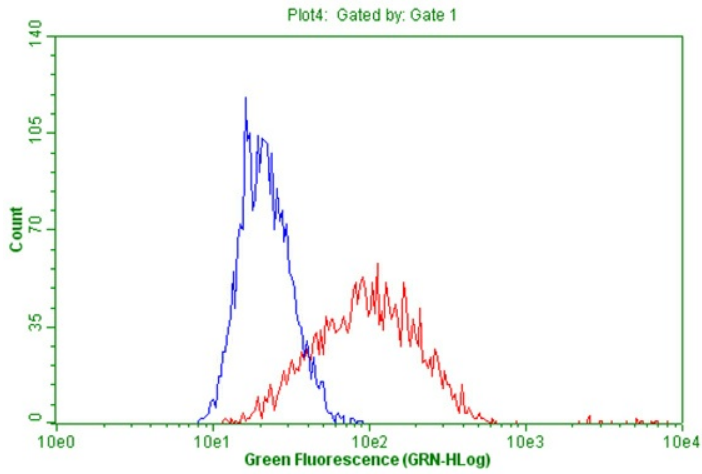
B cell receptor signaling pathway, Hematopoietic cell lineage, Primary immunodeficiency

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 ([TA506240]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD19 ([RC202922]).



Flow cytometric Analysis of living K562 cells, using anti-CD19 antibody ([TA506240]), (Red), compared to a nonspecific negative control antibody, (Blue).