

Product datasheet for **TA506241AM**

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

Product data:

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 and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
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]



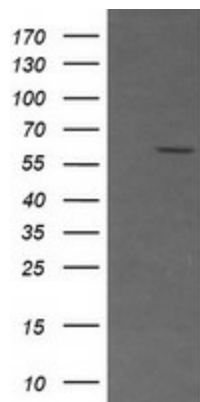
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Synonyms: B4; CVID3

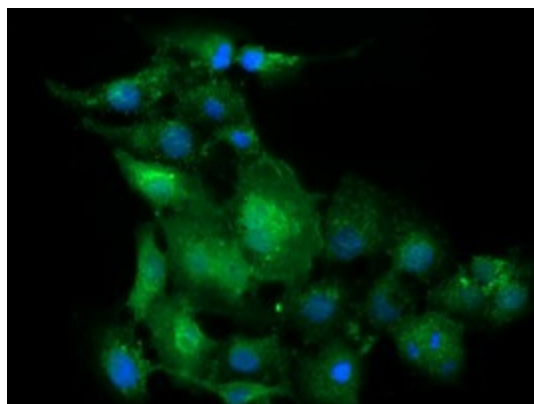
Protein Families: Druggable Genome, Transmembrane

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

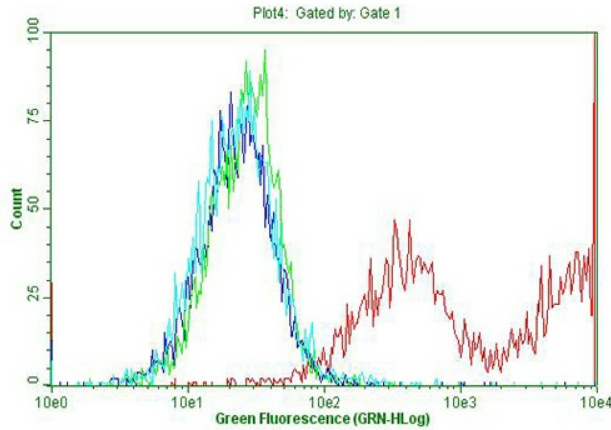
Product images:



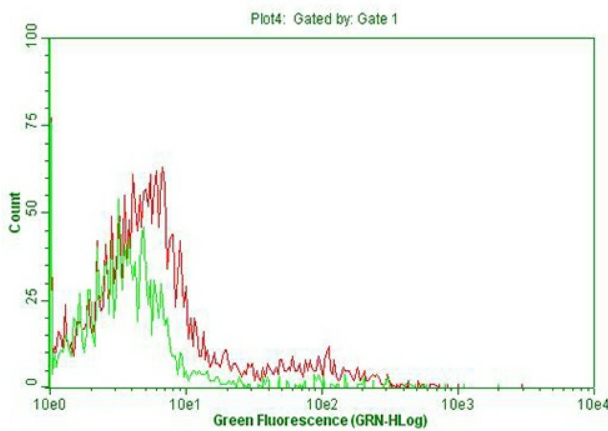
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD19 ([RC202922], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD19. Positive lysates [LY400678] (100ug) and [LC400678]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



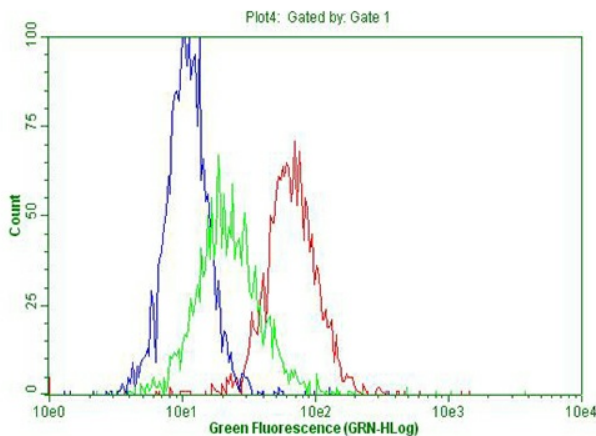
Anti-CD19 mouse monoclonal antibody ([TA506241]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD19 ([RC202922]).



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).