

Product datasheet for **CF802405**

CD5 Mouse Monoclonal Antibody [Clone ID: OTI2E1]

Product data:

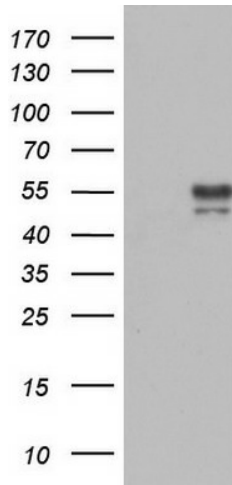
Product Type:	Primary Antibodies
Clone Name:	OTI2E1
Applications:	FC, WB
Recommended Dilution:	WB 1:0
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD5 (NP_055022) produced in HEK293T cell.
Formulation:	Lyophilized powder (original 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:	54.4 kDa
Gene Name:	CD5 molecule
Database Link:	NP_055022 Entrez Gene 921 Human P06127
Synonyms:	LEU1; T1
Protein Families:	Druggable Genome, Transmembrane



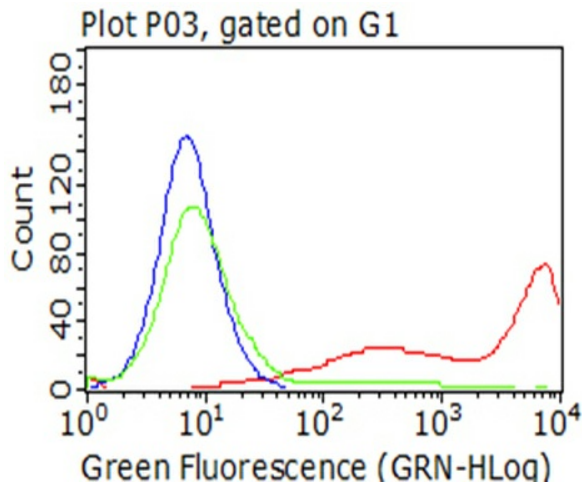
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Protein Pathways: Hematopoietic cell lineage

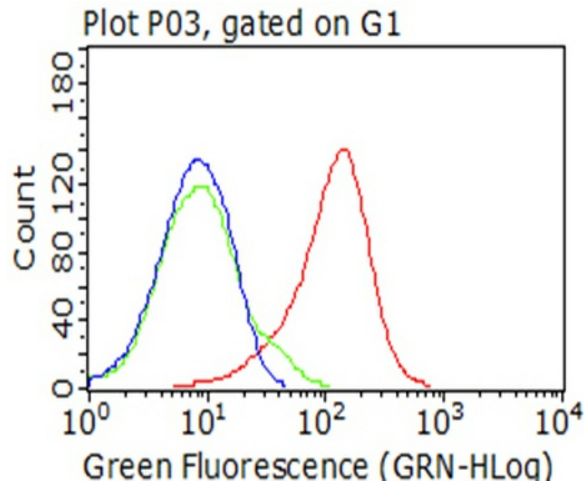
Product images:



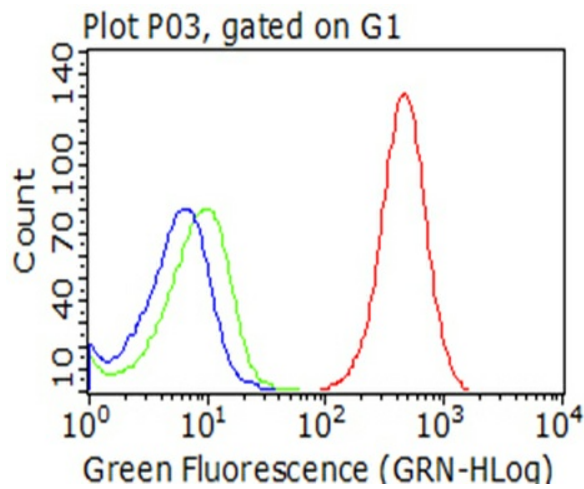
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD5 ([RC206494], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD5. Positive lysates [LY415443] (100ug) and [LC415443] (20ug) can be purchased separately from OriGene.



Living HEK293T cells transfected with either [RC206494] overexpress plasmid (Red), compared to an IgG isotype control, (Green) or empty vector control plasmid (Blue) were immunostained by anti-CD5 antibody ([TA802405]), and then analyzed by flow cytometry (1:100).



Flow cytometric analysis of living 50ng/ml IL2-stimulated Jurkat cells, using anti-CD5 antibody ([TA802405]), (red), compared to an IgG isotype control, (green), and negative control (PBS), (blue) (1:100).



Flow cytometric analysis of living CCRF-CEM cells, using anti-CD5 antibody ([TA802405]), (red), compared to an IgG isotype control, (green), and negative control (PBS), (blue) (1:100).