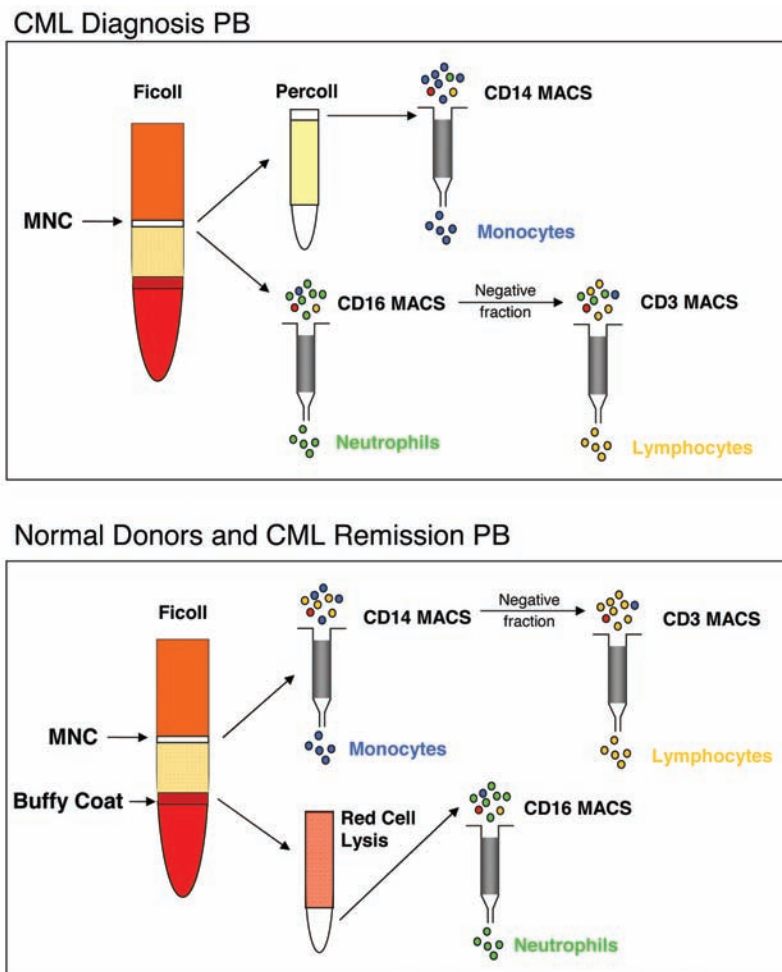


OCT-1 function varies with cell lineage but is not influenced by BCR-ABL

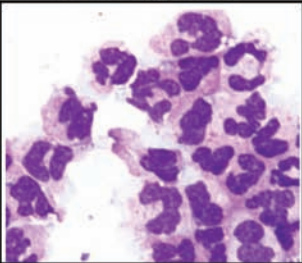
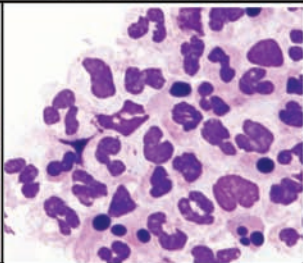
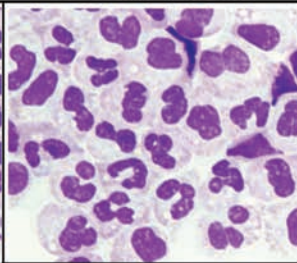
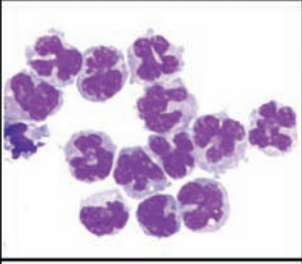
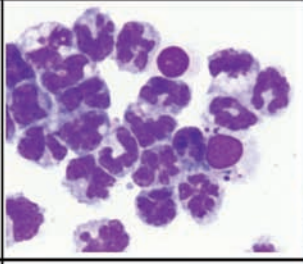
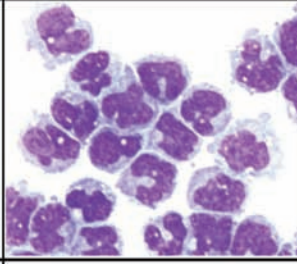
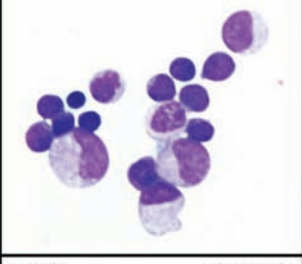
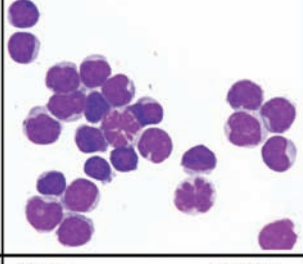
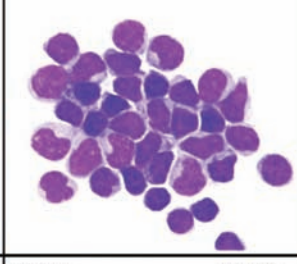
Jane R. Engler,^{1,2,3} Andrew C.W. Zannettino,^{1,2,3} Charles G. Bailey,⁴ John E.J. Rasko,^{4,5} Timothy P. Hughes,^{1,2,3} and Deborah L. White^{1,2,3}

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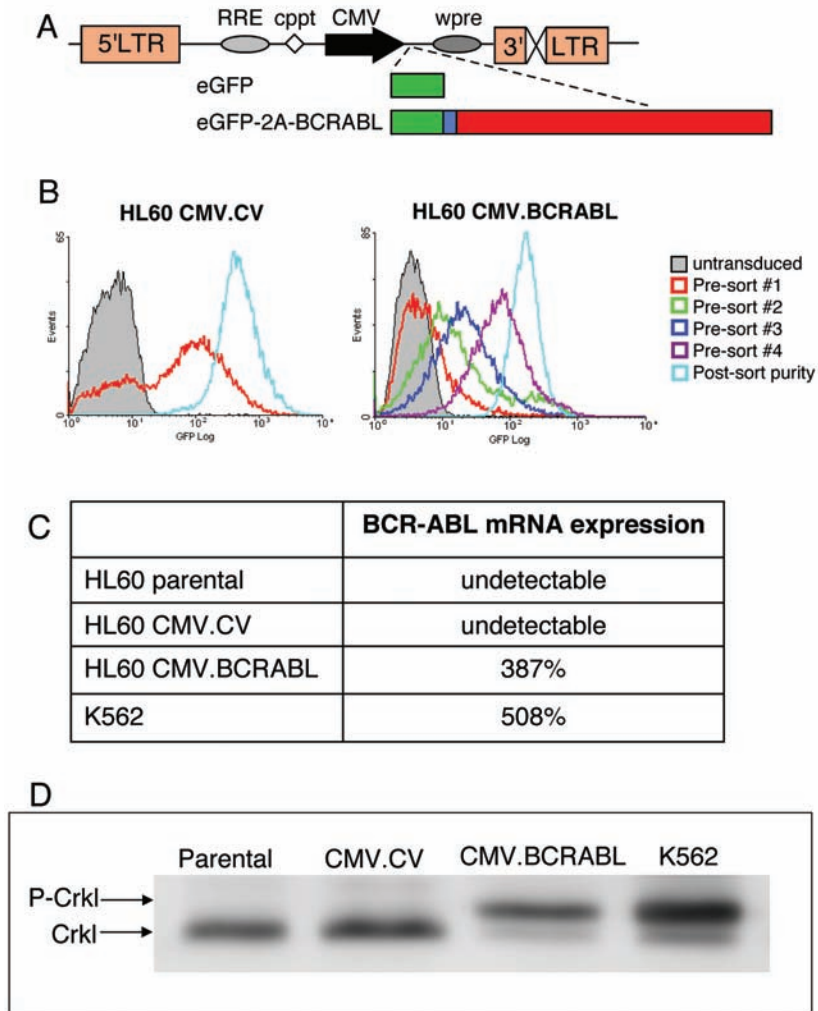
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Online Supplementary Figure S1. Isolation procedures to obtain pure populations of neutrophils, monocytes and lymphocytes from the peripheral blood of CML diagnosis patients, CML remission patients and normal individuals.

	CML Diagnosis	CML Remission	Normal Donors			
Neutrophils						
	CD15+16+ Neutrophils	94±6% (n=10)	CD15+16+ Neutrophils	93±11% (n=6)	CD15+16+ Neutrophils	88±12% (n=10)
	CD14+ Monocytes	0±0% (n=10)	CD14+ Monocytes	1±1% (n=6)	CD14+ Monocytes	2±1% (n=10)
	CD3+ Lymphocytes	0±0% (n=10)	CD3+ Lymphocytes	1±1% (n=6)	CD3+ Lymphocytes	6±4% (n=10)
Monocytes						
	CD15+ Granulocytes	30±10% (n=15)	CD15+ Granulocytes	9±4% (n=7)	CD15+ Granulocytes	0±0% (n=10)
	CD14+ Monocytes	70±24% (n=15)	CD14+ Monocytes	83±14% (n=7)	CD14+ Monocytes	92±5% (n=10)
	CD3+ Lymphocytes	0±0% (n=15)	CD3+ Lymphocytes	6±3% (n=7)	CD3+ Lymphocytes	2±1% (n=10)
Lymphocytes						
	CD15+ Granulocytes	40±16% (n=11)	CD15+ Granulocytes	4±4% (n=7)	CD15+ Granulocytes	0±0% (n=9)
	CD14+ Monocytes	0±0% (n=11)	CD14+ Monocytes	3±1% (n=7)	CD14+ Monocytes	2±1% (n=9)
	CD3+ Lymphocytes	60±23% (n=11)	CD3+ Lymphocytes	92±8% (n=7)	CD3+ Lymphocytes	94±4% (n=9)

Online Supplementary Figure S2. Purity assessment of neutrophils, monocytes and lymphocytes isolated from the peripheral blood of CML diagnosis patients, CML remission patients and normal individuals. Cytospin preparations were treated with Wright's stain. Immunophenotyping is expressed as the mean percentage of cells + SD from all individuals tested.



Online Supplementary Figure S3. Lentiviral vector used for ectopic BCR-ABL expression. (A) Schematic presentation of lentiviral vectors. The p_{HLV}-1SDm-derived vector²⁴ contains a 5'- and 3' HIV-1 long terminal repeat (LTR); the 3' LTR is self-inactivating. The vector backbone contains a Rev response element (RRE), a central polypurine tract (cppt), a CMV promoter and a woodchuck hepatitis virus posttranscriptional regulatory element (wpre). The eGFP and eGFP-2A-BCRABL cDNAs are cloned into the multicloning site. (B) EGFP expression from the lentiviral vectors. HL60 cells were transduced with concentrated lentiviral particles for three hours, and then cultured for 4-12 days before analysis by FACS. (C) BCR-ABL mRNA expression (expressed as % of BCR) confirms the presence and absence of BCR-ABL in transduced HL60 cell lines. (D) Phosphorylated Crkl (P-Crkl) expression in transduced HL60 cell lines confirms BCR-ABL signaling where appropriate.