

CD34_gene_exp

Affymetrix Hu6800 high density oligonucleotide arrays were used to compare the gene expression profile of CD34+ cells from human bone marrow (BM-CD34) and granulocyte colony stimulating factor mobilized peripheral blood (G-CD34) cells. Four independent samples, each consisting of pooled cells from multiple donors, were analyzed. One BM-CD34 sample was split prior to cRNA synthesis to assess the variability introduced by this procedure. More detailed descriptions of samples and procedures are found in: L Graf, S Heimfeld, B Torok-Storb: Comparison of Gene Expression in CD34+ Cells from Bone Marrow and G-CSF Mobilized Peripheral Blood by High Density Oligonucleotide Array Analysis, [BBMT 7:486-494 \(2001\)](#).

Datasets are also available from NCBI's [GEO](#) (Gene Expression Omnibus) data repository. Affymetrix Hu6800 chip Platform ID=[GPL19](#)
Sample IDs=[GSM575](#), [GSM576](#), [GSM577](#), [GSM578](#), [GSM579](#)

Files are tab-delimited text files created from .dat and .chp files with the Affymetrix GeneChip software (Affymetrix MicroArray Suite 4.0.1). Five are Absolute Analysis files, as described above. One file (all34_against 34-1b.txt) contains data derived from a Comparative Analysis of all samples against sample BM-CD34-1b.

[Hu_BM-CD34-1a](#)
[Hu_BM-CD34-1b](#)
[Hu_BM-CD34-2](#)
[Hu_G-CD34-1](#)
[Hu_G-CD34-2](#)
[all34_against 34-1b](#)

Platform: high density oligonucleotide array
Cell source: CD34+ cells from normal (cadaveric) bone marrow and G-CSF mobilized peripheral blood
RNA prep: Qiagen Rneasy
Taxonomy: human
Submitter: Lynn Graf, PhD
Submission Date: Sept 21, 2001
Institution: Fred Hutchinson Cancer Research Center
Address: Transplantation Biology Program D1-100, 1100 Fairview Ave N, Seattle WA 98109
E-mail: lgraf@fhcrc.org