# Microarray Assay Protocol – Baylor College of Medicine

Total RNA was isolated from the whole-blood lysate (Ovcharenko et al., 2005), followed by depletion of globin messenger RNA (Whitley et al., 2005) and from PBMCs. All samples passing quality control were then amplified and labeled by using the Illumina TotalPrep-96 RNA amplification kit. Amplified RNA was hybridized to Illumina HT-12 V3 beadchips (48,803 probes) and scanned on an Illumina Beadstation 500. Illumina’s BeadStudio version 2 software was used to generate signal-intensity values from the scans. After background subtraction, the average normalization recommended by the BeadStudio 2.0 software (Illumina, San Diego, CA) was used to rescale the difference in overall intensity to the median average intensity for all samples across multiple arrays and chips.

**References**



