Decalf et al., http://www.jem.org/cgi/content/full/jem.20070814/DC1

SUPPLEMENTAL MATERIALS AND METHODS

The xMAP Luminex technology performs up to 100 multiplexed, microsphere-based assays in a single reaction vessel by combining optical classification schemes, biochemical assays, flow cytometry, and advanced digital signal processing hardware and software. In brief, multiplexing is accomplished by assigning each analyte-specific assay a microsphere set labeled with a unique fluorescence signature. For the purposes of the pDC screen, we used a combination of in-house and validated arrays (available as a service from Rules Based Medicine, Inc.). Analytes not significantly produced by activated pDCs or by other cell types within the unfractionated PBMCs after CpG or influenza stimulation included the following: α-1 antitrypsin, adiponectin, α-2 macroglobulin, α-fetoprotein, apolipoprotein A1, apolipoprotein CIII, apolipoprotein H, β-2 microglobulin, brain-derived neurotrophic factor, complement 3, cancer antigen 125, cancer antigen 19–9, calcitonin, CCL9, CCL11, CD40, CD40 ligand, carcinoembryonic antigen, creatine kinase-MB, C-reactive protein, EGF, ENA-78, endothelin-1, EN-RAGE, eotaxin, erythropoietin, fatty acid binding protein, factor VII, ferritin, basic FGF, fibrinogen, G-CSF, growth hormone, GM-CSF, glutathione S-transferase, haptoglobin, ICAM-1, IFNγ, IgA, IgE, IGF-1, IgM, IL-1 α, IL-2, IL-2R, IL-3, IL-4, IL-5, IL-7, IL-10, IL-13, IL-15, IL-16, IL-17, IL-18, insulin, leptin, lipoprotein (a), lymphotactin, MDC, MMP-2, MMP-3, MMP-9, myeloperoxidase, myoglobin, PAI-1m prostatic acid phosphatase, PAPP-A, prostate-specific antigen, RANTES, serum amyloid P, stem cell factor, SGOT, SHBG, thyroxine-binding globulin, tissue factor, TIMP-1, TNF RII, TNF-β, thrombopoietin, thyroid-stimulating hormone, VCAM-1, VEGF, and von Willebrand Factor.

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