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Matthew B. Dong, M. Jubayer Rahman, Kristin V. Tarbell

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Flow cytometric gating for spleen monocyte and DC subsets: differences in autoimmune NOD mice and with acute inflammation

Matthew B. Dong*, M. Jubayer Rahman and Kristin V. Tarbell

Immune Tolerance Section, Diabetes, Endocrinology and Obesity Branch, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD 20892

* Current address:

Yale University School of Medicine, MD-PhD program, New Haven CT 06510

Corresponding author:

Kristin V. Tarbell, Ph.D.
DEOB, NIDDK, NIH
Bldg 10, CRC, West Labs, 5-5940
Bethesda, MD 20892

P +1 (301) 451-9360 F +1 (301) 480 4518
tarbellk@niddk.nih.gov

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Abbreviations: antigen presenting cells (APCs), B6.NOD-(*D11Mit167*) H2^{g7}/DvsJ (B6.g7), C57BL/6 (B6), conventional dendritic cells (cDCs), dendritic cells (DCs), fluorescence minus one (FMO), forward scatter (FSC-A), interferon (IFN), lineage (Lin), major histocompatibility complexes (MHC), mean fluorescence intensity (MFI), monocyte-derived dendritic cells (moDCs), non-obese diabetic (NOD), paraformaldehyde (PFA), plasmacytoid dendritic cells (pDCs), regulatory T cells (Tregs), room temperature (RT), side scatter (SSC), Signal Transducer and Activators of Transcription 1 phosphorylation (pSTAT1)

Highlights:

- Use of Siglec-H for pDC gating is more specific than BST2, even with inflammation
- DCIR2 (33D1) staining helps separate splenic CD11b⁺ cDC2s from functionally distinct monocyte-derived DCs
- NOD mice have monocyte and DC subset alterations, including an increase in monocyte-

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