Table 1. The differences among several subtypes of macrophages.

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|  | Inducers | Cell expression markers | Cytokine and chemokineproduction | References |
| M1a | IFNc, LPS, TNF | Common markers: CD80, CD86, CD68, MHC-II, IL-1R, TLR-2, TLR-4, iNOS, IL10, IL-12; M1a subtype without CD206 or MGL-1, M1b subtype with CD206 and MGL-1 | TNF-α, IL-1β, IL-6, IL-12, IL-23, IL-27, CXCL9, CXCL10, CXCL11, CXCL16, CCL5, Arg-2, iNOS, ROS | (5-10) |
| M1b |
| M2a | IL-4, IL-13 | MR, AMACI, MHCII, ArgI, IL-1Ra, IL-1R II, FIZZ1, Ym1/2 | TGFβ, IL-10, IL-Ra, CCL17, CCL22, CCL18, CCL22, CCL24 | (11-15) |
| M2b | IC, TLR, IL-1R ligands, IL-1β | MR, MHCII, CD86 | IL-1β, IL-6, TNFα, IL-10, IL-12, CCL1 | (9, 13) |
| M2c | IL-10, Glucocorticoids,TGFβ | MR, CD163, TLR-1, TLR-8, ArgI | IL-10, TGFβ, CCL16, CCL18, CXCL13 | (16, 17) |
| M2d | TLR+A2R ligands, adenosine receptor ligands | VEGF, TNFα, IL-12, IL-10 | IL-10, IL-12, VEGF, TNFα | (18, 19) |
| M3 |  | Arg1, Chi3l3, Ccr2, Cx3cr1, Ccr1, Ccr9; without CD11c or CD206 |  | (20) |