It was shown that there are 89210 molecules of MCH-II per one cell (= 89210*10^3 molecules/kcell) of iDC (monocytes activated by GM-CSF/IL-4) [PMID: 16210595]. It was shown that expression of MHC-II on mDC1 (iDC activated by LPS) is in about 1.5 times higher than on iDC [PMID: 22025302]. Thus:

c_mdc1_mhc2 = (1.5 * 89210 * 10^3 [molecules/kcell]) / (6*10^23 [molecules/mol]) =2.23*10^(-16) [mol/kcell] = 2.23*10^(-4) [pmol/kcell]

where 6*10^23 molecules/mol - Avogadro's number