



*Fig. S1.* Myeloid sarcoma, example of a CD4<sup>+</sup>/CD56<sup>+</sup> case that could potentially be confused with blastic plasmacytoid dendritic cell neoplasm (hematoxylin and eosin, original magnification  $\times 400$ ; CD4, CD56, CD68, and lysozyme immunohistochemistry original magnification  $\times 400$ ). Of note, all 3 CD4<sup>+</sup>CD56<sup>+</sup> cases in our series also expressed CD68 and lysozyme and had a history of acute myelomonocytic leukemia (2 cases) or relapsed acute myeloid leukemia (1 case).