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Contributions: PM, IC and FL designed the study, analyzed data and wrote the paper; RDV performed morphological and immunohistochemical analyses and edited the paper; PM, LS, MPC, MA, FG and DP treated patients, collected samples and data, analyzed data and edited the paper; VC collected samples and data, analyzed data and edited the paper; IC, GW, FDB, AP and CQ performed cytofluorimetric analyses and edited the paper; VB, PMo, MB and CDM performed cytokine analyses, analyzed data and edited the paper; WGF performed the experiment with the murine model, analyzed data and edited the paper. All the authors approved the final version of the paper