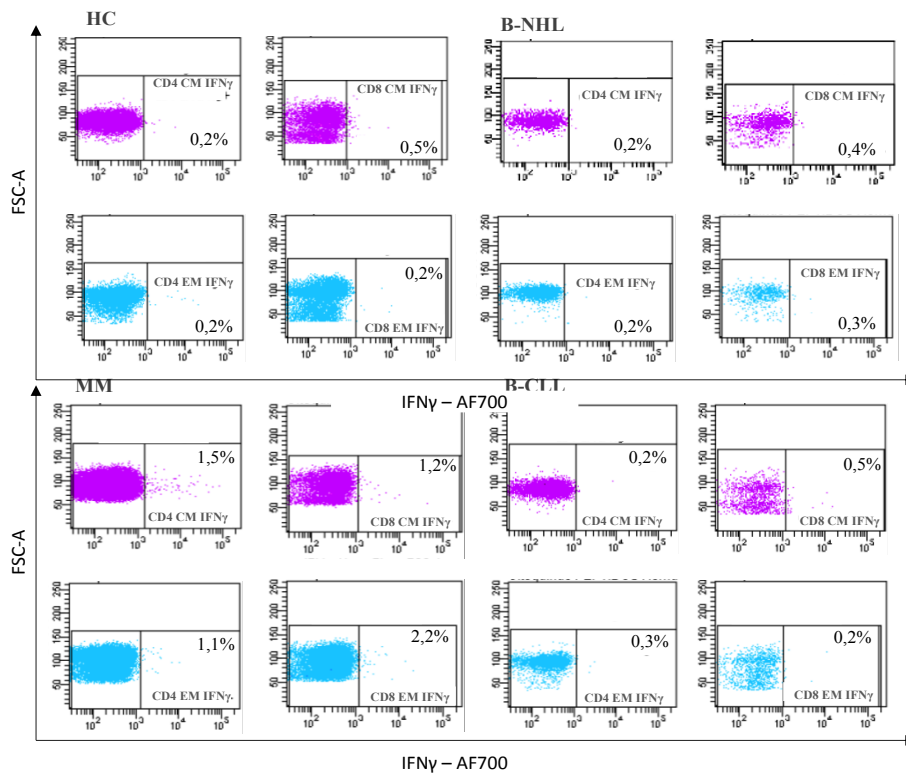
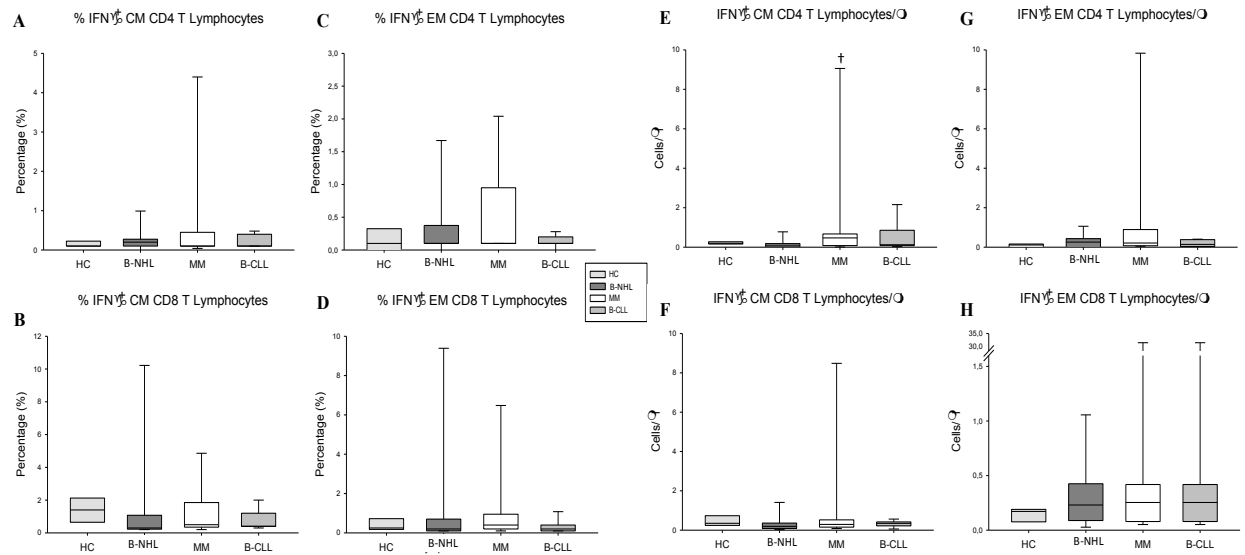


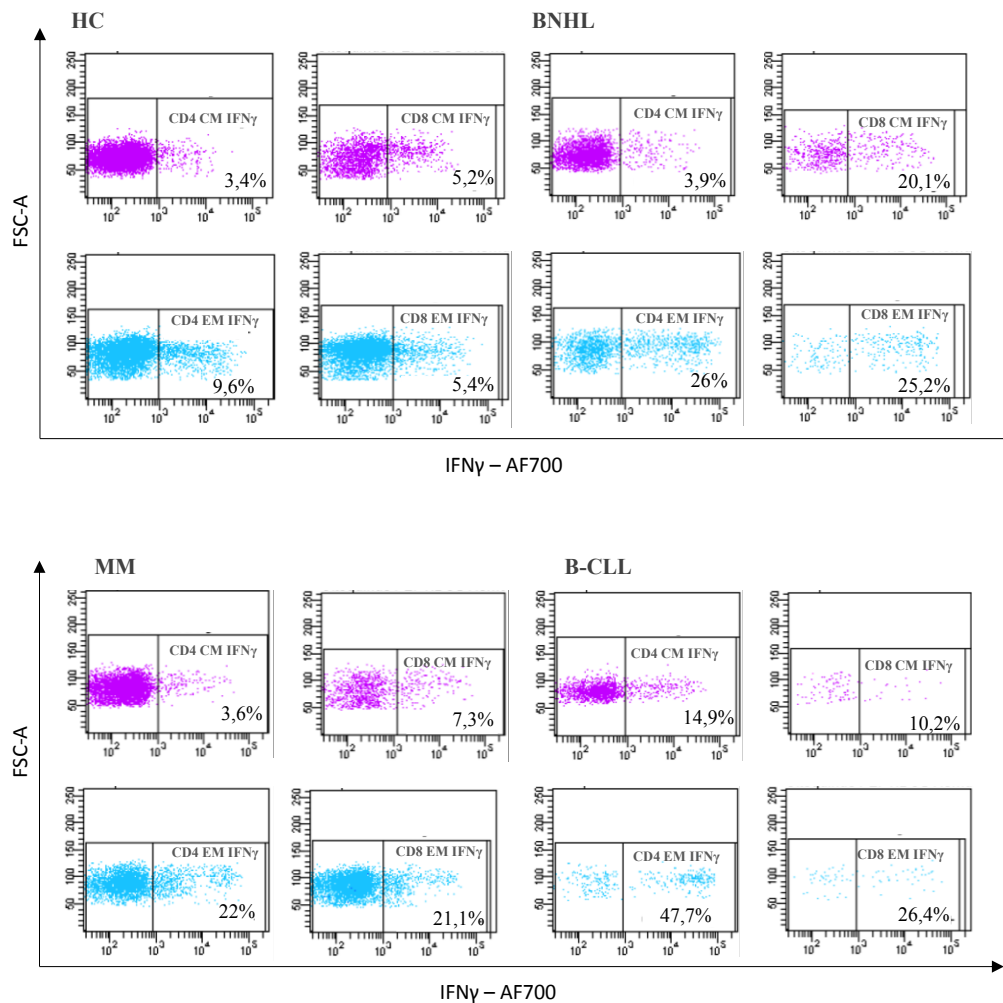
Supplementary material Figure S1. Study Flowchart. B-NHL, B-lymphocyte Non-Hodgkin B-NHL; CLL, Chronic Lymphocytic Leukemia; MM, Multiple Myeloma; ICF, Informed Consent Form.



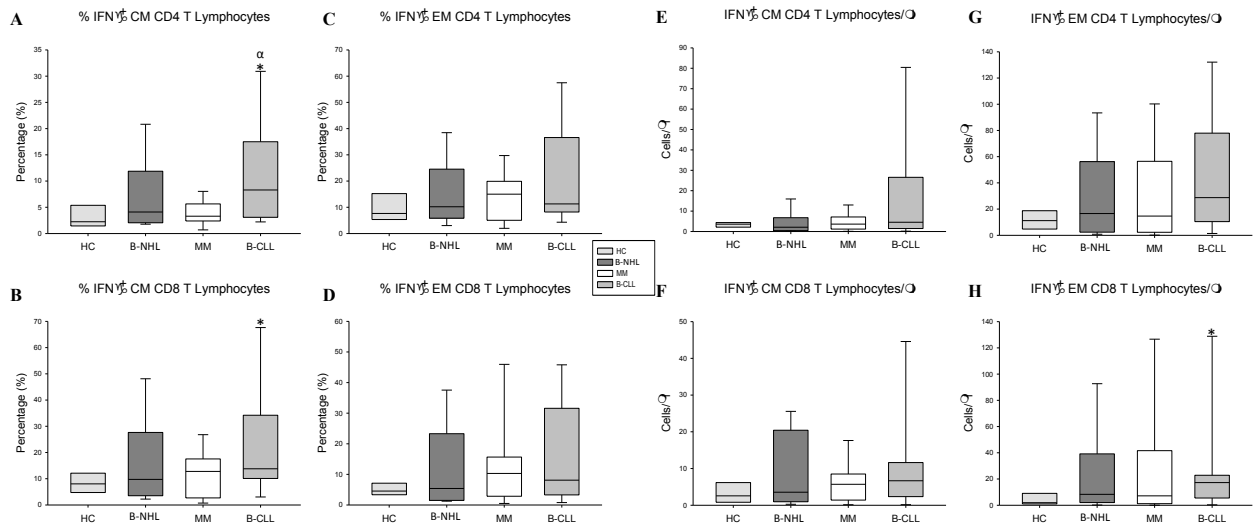
Supplementary material Figure S2. Dot plots represent the percentage of intralymphocyte IFN γ secretion from T_{CM} and T_{EM} subpopulations of CD4⁺ and CD8⁺ T after stimulation with the peptide pool, in a HC and a lymphoma patient, in a MM patient and in a B-CLL patient.



Supplementary material Figure S3. Percentage and numbers of intralymphocyte IFN γ secretion from T_{CM} and T_{EM} subpopulations of CD4⁺ and CD8⁺ T after stimulation with the peptide pool. A, B Box plots represent the percentage of IFN γ production by the T_{CM} subpopulations of CD4⁺ and CD8⁺ T. **C, D** Box plots represent the percentage of IFN γ production by T_{EM} subpopulations of CD4⁺ and CD8⁺ T. **E, F** Box plots represent the numbers of IFN γ production by T_{CM} subpopulation of CD4⁺ and CD8⁺ T. **G, H** Box plots represent the numbers of IFN γ production by T_{EM} subpopulation of CD4⁺ and CD8⁺ T. HCs, B-NHL, MM, B-CLL. * p<0.05 HCs vs Patients; † p<0.05 B-NHL vs MM; α p<0.05 B-NHL vs B-CLL; β p<0.05 MM vs B-CLL.



Supplementary material Figure S4. Dot plots represent the percentage of intralymphocyte IFN γ secretion from T_{CM} and T_{EM} subpopulations of CD4⁺ and CD8⁺ T after stimulation with PMA, in a HC and a lymphoma patient, in a MM patient and in a B-CLL patient.



Supplementary material Figure S5. Percentage and numbers of intralymphocyteular IFN γ secretion from T_{CM} and T_{EM} subpopulations of CD4⁺ and CD8⁺ T after stimulation with PMA. A, B Box plots represent the percentage of IFN γ production by the T_{CM} subpopulations of CD4⁺ and CD8⁺ T. **C, D** Box plots represent the percentage of IFN γ production by T_{EM} subpopulations of CD4⁺ and CD8⁺ T lymphocyte. **E, F** Box plots represent the numbers of IFN γ production by T_{CM} subpopulation of CD4⁺ and CD8⁺ T. **G, H** Box plots represent the numbers of IFN γ production by T_{EM} subpopulation of CD4⁺ and CD8⁺ T lymphocyte. HCs, B-NHL, MM, B-CLL. * p<0.05 HCs vs Patients; † p<0.05 B-NHL vs MM; α p<0.05 B-NHL vs B-CLL; β p<0.05 MM vs B-CLL.