

Supplementary Table 1. Demographics of patients with CD27 and CD70 deficiency undergoing hematopoietic stem cell transplantation

	n=
Total number of HSCT	19 / 49 patients (39%) (1 Re-Tx)
▪ CD27	11 / 33 patients (33%)
▪ CD70	8 / 16 patients (50%)
Graft	
▪ cord blood (CB)	3
▪ bone marrow (BM)	8 (incl. 1 Re-Tx)
▪ peripheral blood (PB)	9
HLA match	
▪ MSD 10/10	2
▪ MRD 10/10	5
▪ 10 / 10	4
▪ 9 / 10	4
▪ 8 / 10	1
▪ Haplo	3
Conditioning regime	
▪ Bu, Cy	1
▪ Flu, Bu, TT	3
▪ Flu, Bu (MAC)	5
▪ Flu, Treo, TT	1
▪ Flu, Mel, TT	1
▪ Flu, Cy, TBI	1
▪ Flu, Treo	5
▪ Flu, Mel	1
▪ Flu, Cy	1 (Re-Tx)
▪ Eto	1

Abbreviations: Flu: Fludarabine, Bu: Busulfan, Cy: Cyclophosphamide, Eto: Etoposide, TBI: Total body irradiation, Treo:Treosulfan

Supplemental Table 2: Clinical features in CD27 and CD70 deficiency, individual manifestation numbers.

	CD27 n	%	CD70 n	%	Total n	%
EBV positive (PCR or sero+ve)	31	94	15	94	46	94
respiratory infections	14	42	9	56	23	47
meningitis, encephalitis	4	12	1	6	5	10
sepsis	3	9	0	0	3	6
EBV infectious mononucleosis	12	36	6	38	18	37
hypogammaglobulinemia	10	30	8	50	18	37
soft tissue infections	4	12	0	0	4	8
HLH	9	27	0	0	9	18
Hodgkin lymphoma	9	27	7	44	16	33
Non-Hodgkin lymphoma	5	15	2	13	7	14
LPD/CAEBV	13	39	5	31	18	37
arthritis	5	15	1	6	6	12
uveitis	6	18	1	6	7	14
vasculitis	1	3	0	0	1	2
recurrent fever	5	15	5	31	10	20
stomatitis	11	33	3	19	14	29
none	4	12	1	6	5	10
autoinflammation	15	48	5	31	21	43
malignancies	12	36	9	56	21	43
malignancies+HLH	22	67	13	81	35	71
HLH w progression LPD	8	24	0	0	8	16
1st manifestation lymphoma	9	27	5	31	14	29
1st manifestation HLH	4	12	0	0	4	8