

Supplementary Table 1. Artificial antigen presenting cells used in this report.

HLA class II Allele	Cell line name	Host cell line	Selective media	Mean fluorescence intensity			
				indirect staining		direct staining	
				anti HLA class II	secondary only	anti HLA-DR	isotype control
DRB1*01:01	L57.23	DAP.3	R10+200µg/mlG418			86386	1070
DRB1*04:07	L331.2	DAP.3	R10+200µg/mlG418	12718	413		
DRB1*04:11	L527.8	DAP.3	R10+200µg/mlG418	19298	921		
DRB1*11:04	L537.1	DAP.3	R10+200µg/mlG418	ND ¹	ND ¹		
DRB1*13:01	L597.2	DAP.3	R10+200µg/mlG418			37737	1244
DRB1*16:01	L415.2	DAP.3	R10+200µg/mlG418			88773	992
DRB3*01:01	TR81.19	DAP.3	R10+200µg/mlG418			97055	1252
DRB3*02:02	RRB3.02.2	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin			9553	1177
DRB5*01:01	IHW03304	DAP.3	R10			34448	1210
DQA1*05:01/DQB1*03:01	RQ0301.3	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	8231	613		
DQA1*03:01/DQB1*03:02	RQ0302.3	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	9444	489		
DQA1*04:01/DQB1*04:02	RQ0402.3	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin				
DQA1*01:02/DQB1*05:02	RQ0501.3	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	7895	534		
DQA1*01:02/DQB1*06:02	RQ0602.3	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	622	311		
DPA1*01:03/DPB1*02:01 ²	L256.12 (1H)	DAP.3	R10 + 200µg/mlG418	351	291		
DPA1*01:03/DPB1*04:01	RP0401.2	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	1703	447		
DPA1*01:03/DPB1*04:02 ²	L25.4	DAP.3	R10 + 200µg/mlG418	ND ¹	ND ¹		
DPA1*02:01/DPB1*01:01	RP0101.2	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	317	241		
DPA1*02:01/DPB1*14:01	RP1401.2	RM3	R10 + 700µg/ml G418 + 12µg/ml Blasticidin	561	273		
none	Parental DAP.3	DAP.3	R10	NA ³	NA	NA	NA
none	Parental RM3	RM3	R10	NA	NA	NA	NA

¹ ND = data files not saved but visual inspection of fluorescence histograms shows specific expression of HLA with anti-HLA mAb staining

² Cells treated with sodium butyrate as indicated in Materials and Methods

³ NA= not applicable to HLA-null cell lines