Supplementary Table S1

			$p24_{28-60}$ peptide						DSPE-PEG-$p24_{28-60}$					
			Cytosol		Endosome		Lysosome		Cytosol		Endosome		Lysosome	
MHC-I	**B44-EV9**	(EEKAFSPEV, aa 28-36)	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1
MHC-I	**B45-VI11**	(VEEKAFSPEVI, aa 27-37)												
MHC-I	**B57-KP9**	(KAFSPEVIP, aa 30-38)	+1 +2 +3	+1 +2 +3	+2 +3	+3	+1 +2 +3	+1 +3	+1 +2 +3	+1 +2 +3	+3	+3	+1 +2 +3	+1 +3
MHC-I	**B44/B42-LL10**	(LSEGATPQDL, aa 43-52)	+1 +2 +3	+1 +2 +3	+2 +3	+1 +2 +3	+2 +3	+2 +3	+2 +3	+2 +3	+2 +3	+1 +2 +3	+2	+3
MHC-I	**B40/B60/B61-SL9**	(SEGATPQDL, aa 44-52)	+1 +2 +3	+1 +2 +3	+1 +2 +3	+1 +2 +3	+1 +3	+1 +3	+1 +3	+1 +3	+1 +2 +3	+1 +2 +3	+1 +3	+1
MHC-I	**B57-FF9**	(FSPEVIPMF, aa 32-40)					+3				+3	+3		
MHC-I	**B57/58/63-KF11**	(KAFSPEVIPMF, aa 30-40)	+2 +3	+2 +3	+1 +3	+3	+1 +3	+3	+2 +3	+2 +3	+1 +3	+1 +3	+3	
MHC-I	**B14/Cw8-DV9**	(DLNTMLNTV, aa 51-59)	+1 +3	+1 +2 +3					+1 +2 +3	+1 +2 +3		+3	+3	
MHC-I	**B7/B58/B53-AL10**	(ATPQDLNTML, aa 47-56)	+1	+1	+3	+3	+3	+3	+1	+1	+3	+3	+3	+3
MHC-I	**B57-KI8**	(KAFSPEVI, aa 30-37)	+3	+3	+3	+3	+1 +3	+1 +3		+3	+3	+3	+2 +3	+3
MHC-I	**Cw01-VL8**	(VIPMFSAL, aa 36-43)												
MHC-I	**A26-EL9**	(EVIPMFSAL, aa 35-43)					+3	+3						+3
MHC-I	**B58-AT12**	(ATPQDLNTMLNT, aa 47-58)			+3	+3	+1	+1			+3			+1
MHC-I	**B07/42/53/39-TL9**	(TPQDLNTML, aa 48-56)	+2	+1 +2						+1 +2				
MHC-II	**DRB1/DQ1/DQ5-EV9**	(EEKAFSPEV, aa 28-36)	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1
MHC-II	**DQ5-EP11**	(EEKAFSPEVIP, aa 28-38)	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1	+1
MHC-II	**DR-PP16**	(PEVIPMFSALSEGATP, aa 34-49)					+2	+2					+2	+2
MHC-II	**DRB1/DQ-ES10**	(EVIPMFSALS, aa 35-44)												
		Time (min):	60	120	60	120	60	120	60	120	60	120	60	120