

Supplementary Data

Supplementary methods

Cytotoxicity assay

The following flow cytometry antibodies were obtained from eBiosciences, anti-CD3 PerCP, anti-CD107a APC, anti-CD16 AF700, anti-IFN γ BV421, Annexin V BV711, anti-CD56 PE, anti-CD8 PE-TxR and anti-TNF α PE-Cy7.

CFSE labelled target cells (K562 cell line, U266 cell line) were incubated in a 1:1 ratio with BMDCs for 5 hours with protein transport inhibitor (2 μ l/ml, e-biosciences) added for the final 4 hours. Following incubation cells were stained with zombie yellow viability dye (Biolegend) as per manufacturer's protocol. For cell surface staining, cells were washed and re-suspended in a pre-titrated antibody mastermix for 20 minutes. For intracellular staining, cells were washed and incubated in lysis buffer (Biolegend) for 10 minutes then permeabilisation solution (BD) for 30 minutes. Fully stained samples were washed and re-suspended in FACS buffer (phosphate buffered saline supplemented with 2% FCS (Life Tech)). Data was acquired using a Fortessa 2 cytometer (BD Biosciences).

Supplementary data tables

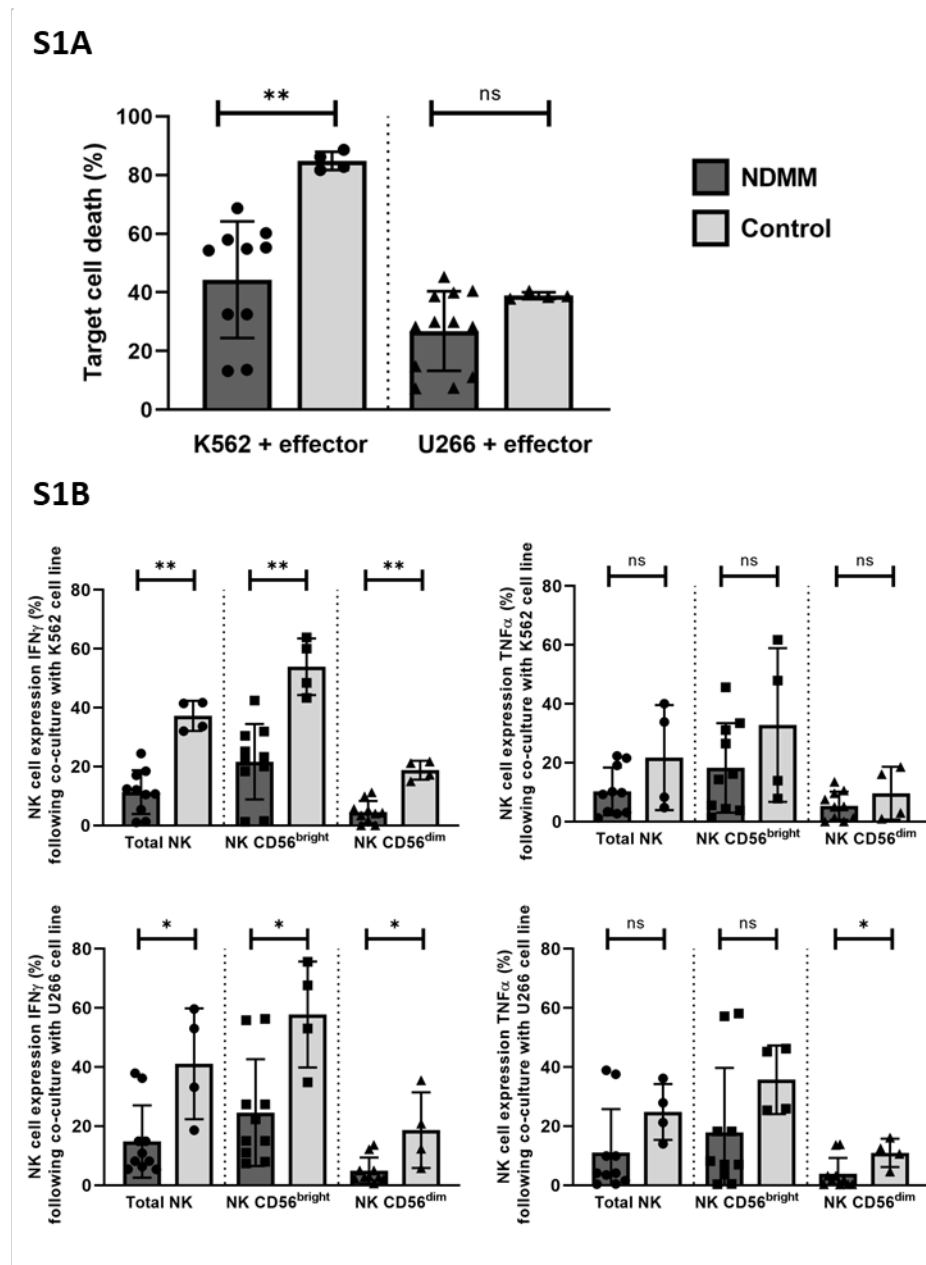
Table 1. Mass cytometry antibody panel

Antigen	Clone	Metal Tag	Source
CD45	HI30	89Y	Fluidigm
CD3	UCHT1	154Sm	Fluidigm
CD4	RPA-T4	145Nd	Fluidigm

CD8a	RPA-T8	146Nd	Fluidigm
CD56	B159	155Gd	Fluidigm
CD16	3G8	209Bi	Fluidigm
CD19	HIB19	142Nd	Fluidigm
CD20	2H7	147Sm	Fluidigm
CD38	HIT2	161Dy	Biolegend
CD138	DL101	168Er	Fluidigm
CD45RA	HI100	169Tm	Fluidigm
CD197 (CCR7)	G043H7	159Tb	Fluidigm
CD27	L128	167Er	Fluidigm
CD28	CD28.2	160Gd	Fluidigm
CD25	2A3	149Sm	Fluidigm
CD127	A019D5	176Yb	Fluidigm
FoxP3	PCH101	162Dy	Fluidigm
HLA-DR	L243	174Yb	Fluidigm
CD244 (2B4)	C1.7	164Dy	Biolegend
CD134 (OX40)	ACT35	158Gd	Fluidigm
CD314 (NKG2D)	ON72	166Er	Fluidigm
CD226 (DNAM1)	DX11	171Yb	Fluidigm
CD223 (LAG3)	874501	150Nd	Fluidigm
CD366 (TIM3)	F38-2E2	156Gd	Biolegend
CD152 (CTLA4)	14D3	170Er	Fluidigm
CD279 (PD1)	EH12.2H7	172Yb	Biolegend
CD274 (PDL1)	29E.2A3	143Nd	Biolegend
Granzyme	GB11	173Yb	Fluidigm
Perforin	B-D48	175Lu	Fluidigm
CD107a	H4A3	151Eu	Fluidigm
IFN γ	B27	165Ho	Fluidigm
TNF α	Mab11	152Sm	Fluidigm
IL2	Mq1-17H12	148Nd	Biolegend
IL10	JES3-9D7	141Pr	Biolegend
TGFB	TW4-6H10	163Dy	Fluidigm
Ki67	Ki-67	153Eu	Biolegend

Cisplatin		198Pt	Fluidigm
DNA Intercalator		191/193Ir	Fluidigm

Supplementary Figure



Supplementary Figure 1: Cytotoxicity assay. (A) Target cell death following incubation with bone marrow derived effector cells. (B) NK cell cytokine expression following co-culture with target cells.