

Supporting materials and methods.

Antibodies

Antibodies clones used for flow cytometry and, confocal microscopy are: CD2-APC (LT2, Immunotools), CD9 (MEM-192, a kind gift of Dr V.Horejsi, Institute Molecular Genetics AS AR), CD11a (HI111, BioLegend, AB_314151), CD11a open (NK1-L16, kindly provided by C.G. Figdor, Nijmegen Center for Molecular Life Sciences), CD11a-CD18 (Ab24, Abcam,), CD11b (ICRF44, BioLegend, AB_314154), CD11b activated (CBRM1/5, Biolegend, AB_314166), CD11c-APC (BU15, Immunotools, AB_1279066), CD16 (B73.1 (a kind gift of J.L. Strominger, Harvard University), CD18 (LIA3/2 ascites, a kind gift of F. Sánchez-Madrid, H. La Princesa), CD25-FITC (HI25a, Immunotools, AB_1071798), CD27-PE (LT27, Immunotools), CD28 (CD28.2, BD Pharmingen, AB_396068), CD29-FITC (MEM-101A, Immunotools, AB_1056084), CD44-APC (MEM-85, Immunotools, AB_522565), CD45-FITC (MEM-28, Immunotools, AB_1144367), CD49d-FITC (BU49, Immunotools, AB_960490), CD53-FITC (HI29, Immunotools, AB_1083941), CD54-FITC (1H4, Immunotools, AB_1056464), CD56 unlabelled / PE (MEM-188, BioLegend, AB_314444 / AB_314447), CD58-PE (MEM-63, Immunotools, AB_300983), CD59-APC (MEM-43, Immunotools, AB_1052192), CD61-FITC (C17, Immunotools, AB_2128768), CD62L-APC (LT-TD180, Immunotools,), CD69 (FN50, BD Pharmingen, AB_395914), CD85j (GHI/75, BD Pharmingen, AB_394020), CD94-PE (HP-3D9, BD Pharmingen, AB_396201), CD95 (IM2387, Immunotech, AB_131702), CD107a-APC (H4A3, BioLegend, AB_1279055), CD152-PE (BN13, Immunotech, AB_131390), CD158a (EB6, Immunotech,), CD158b (GL183, Serotec, AB_2265256), CD158e1 (DX9, BD Pharmingen, AB_396258), DNAM1 (MAB666,

R&D, AB_2072624), HLA-ABC-PE (W6/32, Immunotools, AB_964521), HLA-DR-PE (LT-DR, Immunotools), IFN- γ -PE (4S.B3, BioLegend, AB_2123323), Mouse IgG1 (MOPC-21, Sigma, AB_1163685), NKG2D (MAB139, R&D, AB_2133263), NKp30 (210845, R&D, AB_2149446), NKp46 (195314, R&D, AB_2149153), Perforin (dG9, BioLegend, AB_314699), Pericentrin (4488, Abcam, AB_304461), PD1 (EH12.2H7, BioLegend, AB_940485), β -actin (AC-15, Sigma, AB_476692).

Monoclonal antibodies used to stimulate the different NK cell receptors, either individually or in combination, were 2B4 (2-69, B&D Pharmingen, AB_393899, Nakajima et al, “Activating interactions in human NK cell recognition: the role of 2B4-CD48. Eur J Immunol.” 1999 29:1676-83) CD16 (B73.1, Perussia et al, “Human natural killer cells analyzed by B73.1, a monoclonal antibody blocking Fc receptor functions. II. Studies of B73.1 antibody-antigen interaction on the lymphocyte membrane.” J Immunol. 1983 130:2142-8, a kind gift of J.L. Strominger, Harvard University), NKG2D (MAB139 R&D), NKp30 (210845, R&D), NKp46 (195314, R&D), and Mouse IgG1 (MOPC-21, Sigma) as a negative control.

Primers used for qPCR

GENE	Forward primer	Reverse primer
<i>dap10</i>	5'- GCACTTCAGGCTCTTGTTT	5'- GCCTGGCATGTTGATGTAGA
<i>itgb2</i>	5'- CAAGCTGGCTGAAAACAACA	5'- ATTGCTGCAGAAGGAGTCGT
<i>itgam</i>	5'- GCCGGTGAAATATGCTGTCT	5'- GCGGTCCCATATGACAGTCT
<i>myom2</i>	5'- GAACCCCAACAATTCCTCTGA	5'- TCGATCCATCACCATCTCAA
<i>gzmh</i>	5'- CAGAAGGACTGCCAGTGTGA	5'- ACTCCTGGAGGTGTCCCTTT
<i>cd300a</i>	5'- GTCCTGCAAACCTCAGCTTC	5'- CCCACTGCAAACAGGGTAGT
<i>il18r1</i>	5'- TAGTGCCTGGAGGAGCTGTT	5'- ATTGGGGCAAGAATGTGAAG
<i>egr1</i>	5'- TGACCGCAGAGTCTTTTCT	5'- TGGGTTGGTCATGCTCACTA
<i>ncr3</i>	5'- CCTGAGATTCGTACCCTGGA	5'- GAAACGGGAAGAAGCAAGTG
<i>ctsw</i>	5'- CCACCCCAAGAAGTACCAGA	5'- GTGGCCTTGATCACACCTTT
<i>sell</i>	5'- AAACCCATGAACTGGCAAAG	5'- CGCAGTCCTCCTTGTTCTTC
<i>matk</i>	5'- TACCGCGTCAAGCACACACCAG	5'- CACTCTCCACTCTCTCGGTCTCTG
<i>cd56</i>	5'- TATTTGCCTATCCCAGTGCC	5'- CATACTTCTTCACCAACTGCTC
<i>gnly</i>	5'- TCTCTCGTCTGAGCCC	5'- GCAGCATTGGAAACT
<i>id2</i>	5'- CGGATATCAGCATCCTGTCC	5'- TCATGAACACCGCTTATTCAG
<i>18s</i>	5'- GGGACTTAATCAACGCAAGC	5'- GCAATTCCCCATGAACG