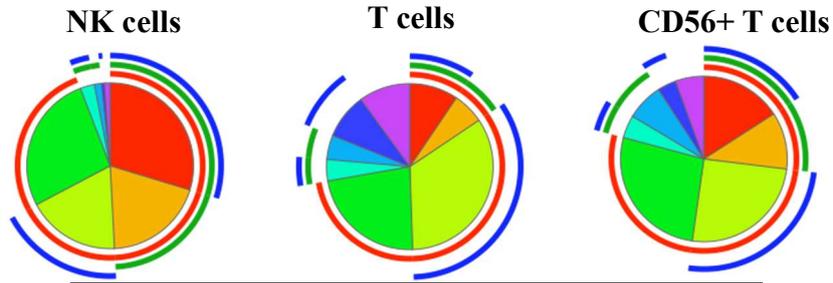


Supplementary Materials: Characterization of the DNAM-1, TIGIT and TACTILE Axis on Circulating NK, NKT-Like and T Cell Subsets in Patients with Acute Myeloid Leukemia

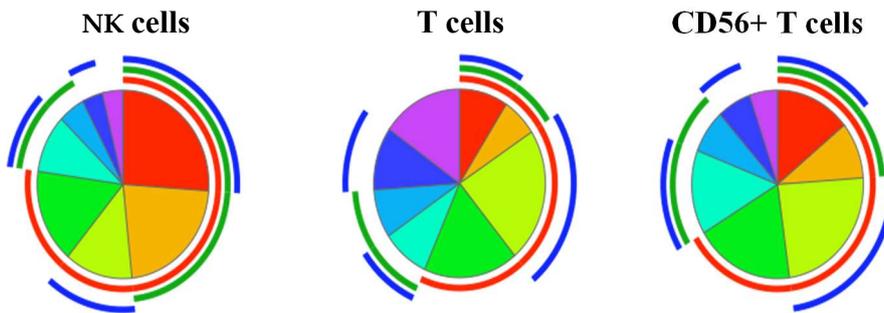
Isabel Valhondo, Fakhri Hassouneh, Nelson Lopez-Sejas, Alejandra Pera, Beatriz Sanchez-Correa, Beatriz Guerrero, Juan M. Bergua, Maria Jose Arcos, Helena Bañas, Ignacio Casas-Avilés, Joaquin Sanchez-Garcia, Josefina Serrano, Carmen Martin, Esther Duran, Corona Alonso, Rafael Solana and Raquel Tarazona

a) Healthy donors



Pie Category Test Results			
Pie #	NK Cell	T Cells	CD56+ T Cells
NK cell		<0.0001	0.0262
T cells	<0.0001		0.0113
CD56+ T cells	0.0262	0.0113	

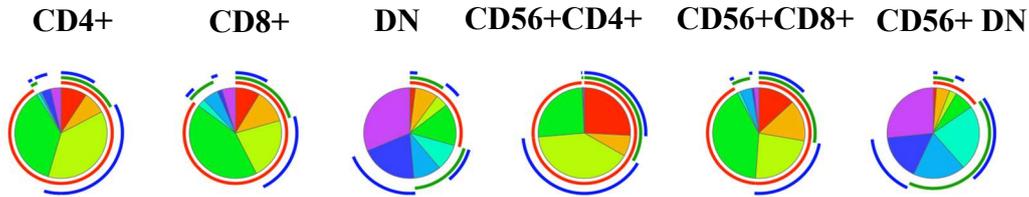
b) AML patients



Pie Category Test Results			
Pie #	NK Cell	T Cells	CD56+ T Cells
NK cell		<0.0001	<0.0001
T cells	<0.0001		0.0170
CD56+ T cells	<0.0001	0.0170	

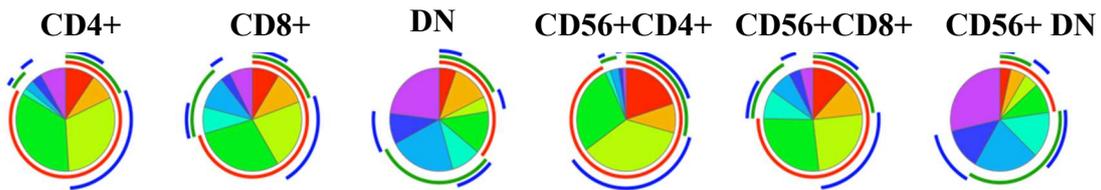
Figure S1. Comparison of co-expression patterns of DNAM-1, TIGIT and TACTILE among NK cells, CD56⁻ and CD56⁺ T cell subsets. Co-expression patterns (pie charts) were analyzed in NK cells, conventional CD56⁻ T cells and CD56⁺ NKT-like cells in **(a)** healthy donors (*n* = 20) and **(b)** AML patients (*n* = 30). The tables below the pie charts correspond to the results of the statistical analysis.

a) Healthy donors



Pie Category Test Results						
Pie #	CD4+	CD8+	DN	CD56+CD4+	CD56+CD8+	CD56+ DN
CD4+		0.0365	<0.0001	0.0198	0.0629	<0.0001
CD8+	0.0365		<0.0001	0.0003	0.7279	<0.0001
DN	<0.0001	<0.0001		<0.0001	<0.0001	0.0128
CD56+CD4+	0.0198	0.0003	<0.0001		0.0035	<0.0001
CD56+CD8+	0.0629	0.7279	<0.0001	0.0035		<0.0001
CD56+ DN	<0.0001	<0.0001	0.0128	<0.0001	<0.0001	

b) AML patients



Pie Category Test Results						
Pie #	CD4+	CD8+	DN	CD56+CD4+	CD56+CD8+	CD56+ DN
CD4+		0.0310	<0.0001	0.0855	0.0664	<0.0001
CD8+	0.0310		<0.0001	0.0121	0.7840	<0.0001
DN	<0.0001	<0.0001		<0.0001	<0.0001	0.2585
CD56+CD4+	0.0855	0.0121	<0.0001			<0.0001
CD56+CD8+	0.0664	0.7840	<0.0001	0.0959		<0.0001
CD56+ DN	<0.0001	<0.0001	0.2585	<0.0001	<0.0001	



Figure S2. Comparison of co-expression patterns of DNAM-1, TIGIT and TACTILE in T cell subsets. Co-expression patterns (pie charts) were analyzed in CD4+, CD8+, and DN (CD4- CD8-, double negative) T cell subsets distributed according to CD56 expression in (a) healthy donors ($n = 20$) and (b) AML patients ($n = 23$). The tables below the pie charts correspond to the results of the statistical analysis.

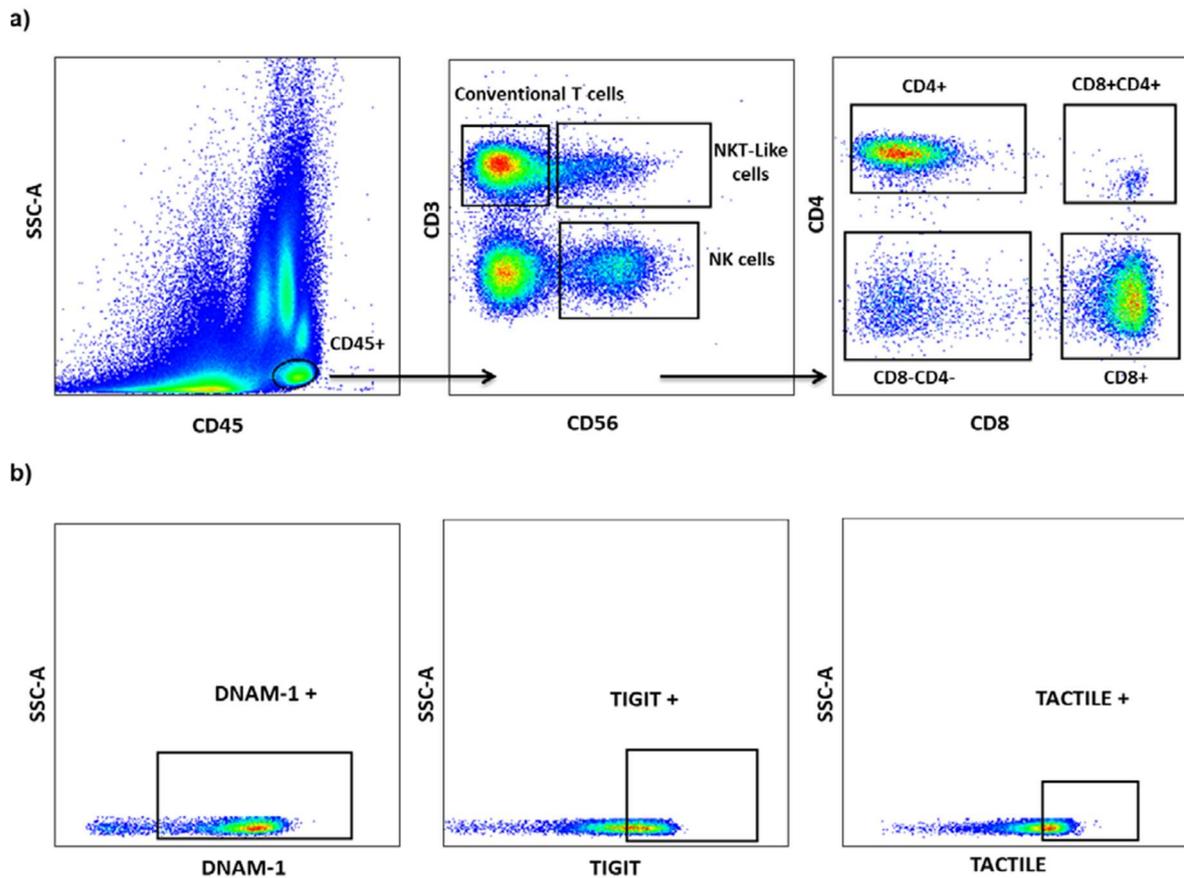


Figure S3. Gating strategy used for the analysis of DNAM-1, TIGIT and TACTILE expression on NK cells, CD56⁻ T cells and CD56⁺ T cells. (a) Lymphocytes were selected according to their expression of CD45, size and granularity (FSC vs. SSC), subsequently NK cells (CD3⁻ CD56⁺), NKT-like cells (CD3⁺ CD56⁺) and conventional T cells (CD3⁺ CD56⁻) were gated by confronting CD56 vs CD3, and followed by the identification of CD4⁺, CD8⁺, CD4-CD8⁻ cells (DN: Double negative), CD4⁺CD8⁺ cells (DP: Double positive). (b) Subsequently, the expression DNAM-1, TIGIT and TACTILE was determined within NK cells (CD3⁻ CD56⁺), NKT-like cells (CD3⁺ CD56⁺) and conventional T cells (CD3⁺ CD56⁻) using Fluorescence minus one (FMO) and isotype controls. Figure shows an example for NK cell.



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