

Table 16 List of antibodies used for FACS sorting and analysis

Human Antibodies	Clone	Fluorochrome	Company	Dilution	Assay
CD2	RPA-2.10	Purified/ PE Cy5	eBioscience, BD	1:50	HSPC sorting
CD3	HIT3a	Purified/ PE Cy5	eBioscience, BD	1:50	HSPC sorting
CD4	RPA-T4	Purified/ PE Cy5	eBioscience, BD	1:50	HSPC sorting
CD7	eBio124-1D1	Purified	eBioscience	1:50	HSPC sorting
CD7	M-T701	PE Cy5	BD	1:50	HSPC sorting
CD8a	RPA-T8	Purified/ PE Cy5	eBioscience, Biolegend, BD	1:50	HSPC sorting
CD11b	ICRF44	Purified/ PE Cy5	eBioscience, BD	1:50	HSPC sorting
CD14	61D3	Purified	eBioscience	1:50	HSPC sorting
CD14	MφP9	PE Cy5	BD	1:50	HSPC sorting
CD16	3G8	PE Cy5	BD	1:50	HSPC sorting
CD19	HIB19	Purified/ PE Cy5	eBioscience, BD	1:50	HSPC sorting
CD20	2H7	Purified/ PE Cy5	eBioscience, BD	1:50	HSPC sorting
CD56	MEM188	Purified	eBioscience	1:50	HSPC sorting
CD56	B159	PE Cy5	BD	1:50	HSPC sorting
CD235a	HIR2	Purified	eBioscience	1:50	HSPC sorting
CD235a	GA-R2	PE Cy5	BD	1:100	HSPC sorting
CD10	HI10a	APC	BD Biosciences	1:40	HSPC sorting
CD10	HI10a	APC Cy7	Biolegend	1:10	HSPC sorting
CD34	581	PerCP	Biolegend	1:20	HSPC sorting
CD34	8G12	APC	BD	1:25	HSPC sorting
CD38	HIT2	FITC	eBioscience	1:20	HSPC sorting
CD38	HB7	PE Cy7	BD	1:50	HSPC sorting
CD90	eBio5E10	Biotin	eBioscience	1:50	HSPC sorting
CD90	5E10	FITC	BD	1:25	HSPC sorting
CD45RA	HI100	PE	eBioscience	1:40	HSPC sorting
CD45RA	HI100	BV650	Biolegend	1:40	HSPC sorting
CD45RA	HI100	BV605	Biolegend	1:20	HSPC sorting
CD123	6H6	PE Cy7	eBioscience	1:10	HSPC sorting
CD123	7G3	PE	BD	1:10	HSPC sorting
CD15	HI98	FITC	eBioscience	1:20	B/NK/M/G assay, CFU assay
CD14	61D3	PE	eBioscience	1:100	B/NK/M/G assay, CFU assay
CD56	MEM-188	APC, PE Cy5	Biolegend	1:20	B/NK/M/G assay
CD19	HIB19	PE Cy7	eBioscience	1:40	B/NK/M/G assay

CD45	HI30	APC eFluor 780	eBioscience	1:40	B/NK/M/G assay, T cell assay, AML engraftment
CD34	581	BV605	Biolegend	1:20	B/NK/M/G assay
CD4	RPA-T4	APC	Biolegend	1:20	T cell assay
CD8	RPA-T8	PE Cy7	eBioscience	1:40	T cell assay
CD7	4H9	FITC	eBioscience	1:20	T cell assay
CD1a	HI149	PE	eBioscience	1:40	T cell assay
CD235	HIR2	PE Cy5	Biolegend	1:100	CFU assay
CD45	HI30	V450	BD	1:25	Ossicle engraftment
HLA-ABC	W6/32	FITC	eBioscience	1:50	Ossicle engraftment
HLA-ABC	W6/23	Pacific Blue	Biolegend	1:40	Ossicle engraftment
CD33	WM53	PE	BD	1:25	Ossicle engraftment
CD19	HIB19	APC	BD	1:25	Ossicle engraftment
CD14	MφP9	PE/APC-Cy7	BD	1:25	Ossicle engraftment
CD15	MMA	FITC	BD	1:50	Ossicle engraftment

Others	Clone	Fluorochrome	Company	Dilution	Assay
Streptavidin	NA	APC eFluor 780	eBioscience	1:50	HSPC sorting
F(ab') <sub>2</sub> -Goat anti-Mouse IgG (H+L)	Polyclonal	Qdot 605	Invitrogen	1:50	HSPC sorting
Hoechst 33258 (10 mg/ml)	NA	NA	Invitrogen	1:10000	All assays except Ossicle engraftment
Propidium- Iodide (1 mg/ml)	NA	NA	Thermo Fisher	1:1000	Ossicle engraftment