

Materials List for:

# Label-Free Identification of Lymphocyte Subtypes Using Three-Dimensional Quantitative Phase Imaging and Machine Learning

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## Materials

Name	Company	Catalog Number	Comments
Mouse	Daehan Biolink	C57BL/6J mice	gender and age-matched, 6 – 8 weeks
Falcon conical centrifuge tube	ThermoFisher Scientific	14-959-53A	15 mL
Phosphate-buffered saline	Sigma-Aldrich	806544-500ML	
Ammonium-chloride-potassium lysing buffer	ThermoFisher Scientific	A1049201	
RPMI-1640 medium	Sigma-Aldrich	R8758	
Fetal bovine serum	ThermoFisher Scientific	10438018	
Antibody	BD Biosciences	553140 (RRID:AB_394655)	CD16/32 (clone 2.4G2)
Antibody	BD Biosciences	555275 (RRID:AB_395699)	CD3ε (clone 17A2)
Antibody	Biolognd	100734 (RRID:AB_2075238)	CD8α (clone 53-6.7)
Antibody	BD Biosciences	557655 (RRID:AB_396770)	CD19 (clone 1D3)
Antibody	BD Biosciences	557683 (RRID:AB_396793)	CD45R/B220 (clone RA3-6B2)
Antibody	BD Biosciences	552878 (RRID:AB_394507)	NK1.1 (clone PK136)
Antibody	eBioscience	11-0041-85 (RRID:AB_464893)	CD4 (clone GK1.5)
DAPI	Roche	10236276001	4,6-diamidino-2-phenylindole
Flow cytometry	BD Biosciences	Aria II or III	
Imaging chamber	Tomocube, Inc.	TomoDish	
Holotomography	Tomocube, Inc.	HT-1H	
Holotomography imaging software	Tomocube, Inc.	TomoStudio	
Image processing software	MathWorks	Matlab R2017b	