

Materials List for

Real-Time Analysis of Resident T Cell Migration in Different Tumor Regions Using Confocal Microscopy

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URL: <https://www.jove.com/video/22069>

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Materials

Name	Company	Catalog Number	Comments
Upright confocal microscope	Leica	The use of a spinning disk confocal is recommended	
Imaris software	Bitplane		This software is used for visualization of images and tracking of T cell migration
Fine Forceps	World Precision Instruments	14142	
30 mm Culture inserts	Millipore	PICMORG50	
Roswell Park Memorial Institute (RPMI) medium, GlutaMAX Supplement	ThermoFisher	61870010	Complete RPMI-medium is made by adding 10 % heat-inactivated fetal calf serum and Penicillin/ streptomycin
Phosphate-buffered saline (PBS)	ThermoFisher	20012019	
Hanks' Balanced Salt Solution (HBSS)	Invitrogen	14170088	
Low gelling temperature Agarose, type VII-A	Sigma-Aldrich	A0701	
Non-toxic butyl Cyanoacrylate Glue, Vetbond	3M	1469	
Slice anchors, 19.7 diameter, 2 mm spacing threads	Warner Instruments	64-1415	
Stainless steel washers, 5 mm of inner diameter	Amazon	B004K1FDGQ	
BV605-conjugated anti-CD8 (clone SK1)	BD Biosciences	565289	
FITC-conjugated anti-EpCAM (clone HEA-125)	Miltenyi Biotec	130-098-113	
BV510-conjugated anti-CD90 (clone 5E10)	Biolegend	328125	
4',6-diamidino-2-phenylindole (DAPI)	ThermoFisher	D1306	