

Materials List for:

Imaging CD4 T Cell Interstitial Migration in the Inflamed Dermis

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Materials

Name	Company	Catalog Number	Comments
BALB/c mice	Jackson Laboratories	000651	Mice used were bred in-house
DO11.10 mice	Jackson Laboratories	003303	Mice used were bred in-house
HBSS	Fisher	10-013-CV	Multiple Equivalent
Newborn Calf Serum (NCS)	Thermo/HyClone	SH30118.03	Heat inactivated at 56 °C for 30 minutes
Guinea Pig Complement	Cedarlane	CL-5000	
anti-CD8 antibody	ATCC	3.155 (ATCC TIB-211)	Antibodies derived from this hybridoma
anti-MHC Class II antibody	ATCC	M5/114.15.2 (ATCC TIB-120)	Antibodies derived from this hybridoma
anti-CD24 antibody	ATCC	J11d.2 (ATCC TIB-183)	Antibodies derived from this hybridoma
anti-Thy1.2 antibody	ATCC	J1j.10 (ATCC TIB-184)	Antibodies derived from this hybridoma
Ficoll (Fico/Lite-LM)	Atlanta Biologicals	I40650	
PBS	Fisher	21-040-CV	Multiple Equivalent
EDTA	Fisher	15323591	
biotinylated anti-CD62L antibody (clone MEL-14)	BD	553149	
streptavidin magnetic separation beads	Miltenyi	130-048-101	
MACS LS Separation Column	Miltenyi	130-042-401	
recombinant human IL-2	Peprtech	200-02	
recombinant mouse IL-4	Peprtech	214-14	
recombinant mouse IL-12	Peprtech	210-12	
anti-IFNγ antibody (clone XMG 1.2)	eBioscience	16-7311-85	
anti-IL-4 antibody (clone 11b11)	eBioscience	16-7041-85	
RPMI	VWR	45000-412	
Penicillin/Streptomycin	Fisher	15303641	
L-glutamine	Fisher	15323671	
2-mercaptoethanol	Bio-Rad	161-0710	
ovalbumin peptide	Biopeptide		ISQAVHAAHAEINEAGR-OH peptide
Fetal Calf Serum (FCS)	Thermo/HyClone	SV30014.03	Heat inactivated at 56 °C for 30 minutes
24-well culture plate	LPS	3526	Multiple Equivalent
CFSE	Life Technologies	C34554	

CMTMR	Life Technologies	C2927	
28 G1/2 insulin syringes, 1ml	BD	329420	
28 G1/2 insulin syringes, 300µl	BD	309301	
27 G1/2 TB syringes, 1ml	BD	309623	
30 G1/2 needles	BD	305106	
PE-10 medical tubing	BD	427400	
cyanoacrylate veterinary adhesive (Vetbond)	3M	1469SB	
heating plate	WPI	61830	
Heating plate controller	WPI	ATC-2000	
Water blanket controller	Gaymar	TP500	No longer in production, newer equivalent available
water blanket	Kent Scientific	TP3E	
Isoflurane vaporizer	LEI Medical	Isotec 4	No longer in production, newer equivalent available
isoflurane	Henry Schein		Ordered through Veterinary staff
microcentrifuge tubes	VWR	20170-038	Multiple Equivalent
medical tape	3M	1538-0	
isoflurane nosecone			Built In-house, see Fig 2
imaging platform			Built In-house, see Fig 2
curved forceps	WPI	15915-G	Multiple Equivalent
scissors	Roboz	RS-6802	Multiple Equivalent
glass coverslips	VWR		Multiple Equivalent
high vacuum grease	Fisher	146355D	
cotton swabs			Multiple Equivalent
delicate task wipes	Fisher	34155	Multiple Equivalent
Olympus Fluoview 1000 AOM-MPM upright microscope with Spectra-Physics MaiTai HP DeepSee Ti:Sa laser	Olympus		call for quote
optical table with vibration control	Newport		call for quote
25x NA 1.05 water immersion objective for multiphoton imaging	Olympus	XLPLN25XWMP2	
objective heater	Biopetechs	PN 150815	
Detection filter cube	Olympus	FV10-MRVGR/XR	Proprietary cube, can be approximated from individual filters/dichroics
anti-integrin β 1 antibody (clone hMb1-1)	eBioscience	16-0291-85	Azide free, low endotoxin
anti-integrin β 3 antibody (clone 2C9.G3)	eBioscience	16-0611-82	Azide free, low endotoxin
Texas Red Dextran (70,000 MW)	Life Technologies	D-1830	