

Materials List for

In vivo Function of Differential Subsets of Cutaneous Dendritic Cells to Induce Th17 Immunity in Intradermal *Candida albicans* Infection

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Materials

Name	Company	Catalog Number	Comments
0.3 mL (31 G) insulin syringe	BD	328822	
1x Perm/Wash buffer	BD	554723	
1 mL (30 G) syringe insulin syringe	BD	328818	
24 well-plate	Falcon	353047	
50 mL conical tube	Falcon	50050	
70 µm strainer	Falcon	352350	
70% ethanol			
ABI StepOnePlus real-time PCR system	Applied Biosystems		
Anesthesia chamber	Harvard Apparatus		
Brefeldin A	BD	BD 555029	
β-Mercaptoethanol	Gibco	21985023	
<i>Candida albicans</i> strain SC5314			provided by Daniel Kaplan at Pittsburgh University
CD3	BioLegend	100216	Clone 17A2
CD301b-DTR mice			provided by Akiko Iwasaki at Yale University
CD4	BioLegend	100408	Clone GK1.5
CD44	eBioscience	47-0441-80	Clone IM7
CD8a	BD Biosciences	553031	Clone 53.6.7
Centrifuge			
Clicker counter			
Cuvette	Kartell	KA.1938	
Cytofix/Cytoperm solution	BD	554722	

Diphtheria toxin (DT)	Sigma		
Dulbecco's phosphate-buffered saline (DPBS)	Welgene	LB001-02	
FACS (Fluorescence-activated cell sorting) buffer	In-house		
Fc receptor blocker	BD	553142	
Fetal bovine serum (FBS)	Welgene	S101-07	
Forceps	Roboz		for harvesting sample
Hemocytometer	Fisher Scientific	267110	
Hybrid-R total RNA kit	GeneAll Biotechnology	305-101	
hydroxyethyl piperazine ethane sulfonic acid (HEPES)	Gibco	15630-080	
IL-17A (intracellular cytokine)	BioLegend	506912	Clone TC11-18H10.1
Ionomycin	Sigma	I0634	
Isoflurane			
Langerin-DTR			provided by Heung Kyu Lee at Korea Advanced Institute of Science and Technology
LIVE/DEAD Fixable Aqua Dead Cell Stain Kit	Invitrogen	L34957	
Loop and Needle	SPL	90010	
Monensin	BD	BD554724	
NanoDrop 2000	Thermo Scientific		
Penicillin	Gibco	15140-122	
Petri dish	SPL	10090	
Phorbol 12-myristate 13-acetate (PMA)	Sigma	P8139	
PrimeScript RT Master Mix	Takara Bio	RR360A	
RPMI 1640	Gibco	11875-093	
Scissors	Roboz		for harvesting sample
Stainless Steel Beads, 5 mm	QIAGEN	69989	
Sterile pipette tip			
SYBR Green Premix Ex Taq II	Takara Bio	RR820A	
TCR β	BioLegend	109228	Clone H57-597
ThermoMixer C	Eppendorf		
TissueLyser	QIAGEN		
UV-VIS spectrophotometer	PerkinElmer		
Wild-type C57BL/6 mice	Orient Bio		7- to 9-week-old mice were used
Yeast-peptone-dextrose-adenine (YPDA) medium, liquid, sterile (1% yeast extract, 2% Bacto peptone, 2% dextrose)			
YPDA agar plate, sterile (1% yeast extract, 2% Bacto peptone, 2% dextrose, 2% Bacto agar)			