

Materials List for:

# Adenoviral Transduction of Naive CD4 T Cells to Study Treg Differentiation

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URL: <https://www.jove.com/video/50455>

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## Materials

Name	Company	Catalog Number	Comments
pENTR/D-TOPO Cloning Kit	Invitrogen	K240020	
Gateway LR Clonase II Enzyme mix	Invitrogen	11791020	
Pacl	New England Biolabs	R057S	
jetPEI	Polyplus-transfection	101-10N	
HEK293A Cell Line	Invitrogen	R705-07	
A549	ATCC	CCL-185	
6-well plates	BD Falcon	353046	
14 cm tissue culture dish	Nunc	168381	
BALB/cJ-Tg(DO11.10)10Dlo Tg(CARΔ1)1Jdgr	Taconic Farms	Model Nr. 4285	
Naive CD4+ T Cell Isolation Kit II	Miltenyi Biotech	130-094-131	
DMEM	Invitrogen	41966-052	
FBS	PAN Biotech	1502-P110704	
PenStrep	Invitrogen	15140-122	
RPMI 1640	Lonza	BE12-167F	
NaPyruvate	Lonza	BE13-115E	
NEAA 100x	Lonza	BE13-114E	
L-Glutamine	Invitrogen	25030	
HEPES Buffer Solution (1 M)	Invitrogen	15630-056	
β-Mercaptoethanol	Sigma-Aldrich	M-7522	
MEM Essential vitamin mixture (100x)	Lonza	13-607C	
Dynabeads Mouse T-Activator CD3/CD28 for Cell Expansion and Activation	Invitrogen	114-56D	
Recombinant Human TGF-beta 1	R&D Systems	240B	
Proleukin S (18 x 106IE)	Novartis		
LIVE/DEAD Fixable Blue Dead Cell Stain Kit	Invitrogen	L-23105	
Mouse BD Fc BlockT	BD Pharmingen	553141	
Anti-Mouse/Rat Foxp3 PE	eBioscience	12-5773-82	
Mmu-miR-155 TaqMan MicroRNA Assay	Roche Applied Biosystems	4427975	
LightCycler 480 Probes Master	Roche Applied Biosystems	04902343001	
TaqMan MicroRNA Reverse Transcription Kit	Roche Applied Biosystems	4366596	