

Materials List for:

Development of an Antigen-driven Colitis Model to Study Presentation of Antigens by Antigen Presenting Cells to T Cells

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Materials

Name	Company	Catalog Number	Comments
LB Broth, Miller (Luria-Bertani)	Difco	244620	
Rotary Shake	Reiss Laborbedarf e. K.	Model 3020 GFL	
2 mm gap couvettes	Peqlab Biotechnologie GmbH	71-2020	
Glycerol	Sigma-Aldrich	G5516-100ML	
Gene Pulser Xcell system	BioRad Laboratories GmbH	1652660	
LB Agar, Miller (Luria-Bertani)	Difco	244510	
Ampicillin	Sigma-Aldrich	A9393-5G	
SOC Medium	Sigma-Aldrich	S1797-100ML	
High Pure Plasmid Isolation Kit	Roche	11754777001	
Agarose	Carl Roth GmbH & Co	3810.1	
EDTA	Sigma-Aldrich	E9884-100G	
Tris-HCl	Sigma-Aldrich	T5941	
Glacial acetic acid	Sigma-Aldrich	537020	
Gel chamber	PEQLAB Biotechnology GmbH	40-0708	
Loading Dye	Thermo Fisher	R0611	
GeneRuler 1 kb DNA Ladder	Thermo Fisher	SM0312	
Ethidium bromide solution	Carl Roth GmbH & Co. KG	2218.3	
Photo-documentation system	Decon Science Tech GmbH	DeVision G	
DNA sequencing	MWG-Biotech GmbH		
Phosphate buffered saline (PBS)	Biochrom	L182-50	
Fluorescent microscope	Zeiss	HBO 100	
Mini-PROTEAN Tetra System	Bio-Rad Laboratories GmbH	1658005	
PageRuler Prestained Protein Ladder	Fermentas, St. Leon-Rot, Germany		
IstanBlue Solution	Expedeon, Cambridgeshire, United Kingdom		
Nitrocellulose membrane	Macherey-Nagel GmbH & Co. KG	741280	
Electro blotter	Biometra GmbH	846-015-600	
Bovine Serum Albumins (BSA)	Sigma-Aldrich	A6003-25G	
Anti-Ovalbumin antibody	Abcam	ab181688	
Anti-rabbit IgG HRP	Sigma-Aldrich	A0545	
Pierce ECL Plus Western Blotting Substrate	Pierce Biotechnology, Thermo Fischer Scientific Inc	32132	

Forene	Abbott	2594.00.00	
FBS	Invitrogen	10500-064	
Falcon Cell Strainers	Fischer Scientific	08-771-2	
Ammonium chloride	Sigma-Aldrich	254134-5G	
Tris Base	Sigma-Aldrich	10708976001	
CD4 ⁺ CD62 L ⁺ T isolation kit	Miltenyi Biotec	130-093-227	
MACS LS Columns	Miltenyi Biotec	130-042-401	
MACS MS Columns	Miltenyi Biotec	130-042-201	
MidiMACS Separator	Miltenyi Biotec	130-042-302	
MiniMACS Separator	Miltenyi Biotec	130-042-102	
MACS MultiStand	Miltenyi Biotec	130-042-303	
Feeding Needle 20G	SouthPointe Surgical Supply, Inc	FN-7903	
Formalin solution, neutral buffered, 10%	Sigma-Aldrich	HT501128	
Paraffin	Sigma-Aldrich	1496904	
Hematoxylin	Sigma-Aldrich	H9627	
Eosin Y	Sigma-Aldrich	230251	
Dithiothreitol	Sigma-Aldrich	D9779	
Collagenase type VIII	Sigma-Aldrich	C-2139	
Roswell Park Memorial Institute (RPMI) medium	AppliChem	A2044, 9050	
Sodium azide	Sigma-Aldrich	438456	
Mouse BD Fc Block	BD Pharmingen	553141	
FITC-conjugated mAb binding Vβ 5.1, 5.2	BD Pharmingen	553189	
APC-conjugated mAb binding CD4 GK1.5	eBioscience	17-0041-83	
FACS Calibur	BD Biosciences		
FCS Express V3 software	DeNovo		
Meta scanning confocal microscope	Zeiss	LSM 710	
Zeiss Workstation	Zeiss	LSM 7	
Zeiss ZEM software	Zeiss	v4.2.0.121	
Maxisorp immuno plates	NUNC, Roskilde	442404	
Streptavidin conjugated alkaline phosphatase	Jackson Immuno Research	016-050-084	
Alkaline phosphatase substrate 4-Nitrophenyl phosphate disodium salt hexahydrate	Sigma-Aldrich	71768-5G	
mAb R4-6A2	BD Biosciences	551216	
mAb XMG1.2	BD Biosciences	554410	
TECAN microplate-ELISA reader	Tecan		
EasyWin software	Tecan		
DNase I recombinant		4536282001	