

Materials List for:

Real Time Detection of *in Vitro* Tumor Cell Apoptosis Induced by CD8⁺ T Cells to Study Immune Suppressive Functions of Tumor-infiltrating Myeloid Cells

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Materials

Name	Company	Catalog Number	Comments
0.05% Trypsin EDTA (1X)	Gibco	25300-054	
12-Well Cell Culture Plate	Freiner Bio-One	665-180	
1x PBS	Gibco	14190-094	
2-mercaptethanol	Sigma	M6250-10ML	
5mL Polystyrene Round-Bottom Tube	FALCON	352054	
96-Well Cell Culture Plate (Round Bottom)	Costar	3799	Co-culture of CD8+T cells with sorted myeloid cells
96-well plate (Flat bottom)	Nunc	165305	Co-culture of CD8+T cells with target cells for cytotoxicity assay
AF647 anti-mouse F4/80 Antibody	BIO-RAD	MCA497A647	Clone: CIA3-1, Lot#: 1707, 2 μ L/1x10 ⁶ cells
AlexaFluor700 anti-mouse CD8 Antibody	Biolegend	100730	Clone: 53-6.7, Lot#: B205738, 0.5 μ L/1x10 ⁶ cells
anti-mouse CD28 Antibody	Biolegend	102111	Activation of isolated CD8+ T cells, Clone: 37.51, Lot#: B256340
anti-mouse CD3e Antibody	Biolegend	100314	Activation of isolated CD8+ T cells, Clone: 145-2C11, Lot#: B233720
APC anti-mouse CD3 Antibody	Biolegend	100236	Clone: 17A2, Lot#: B198730, 0.5 μ L/1x10 ⁶ cells
APC/Cy7 anti-mouse Ly6C Antibody	Biolegend	128026	Clone: HK1.4, Lot#: B248351, 1 μ L/1x10 ⁶ cells
Bovine Serum Albmin	Sigma	A1470-100G	
Cell Strainer (100 μ m Nylon)	FALCON	352360	To smash the spleen
Cell Strainer (40 μ m Nylon)	FALCON	352340	To filter the lung digestion
DAPI	Biolegend	422801	
Dulbecco's Modified Eagle's Medium	Gibco	41966-029	
EasySep Mouse CD8+ T Cell Isolation Kit	StemCell Technologies	19853	
Fetal Bovine Serum	Gibco	10270-106	
FITC anti-mouse CD4 Antibody	Biolegend	100406	Clone: GK1.5, Lot#: B179194, 0.5 μ L/1x10 ⁶ cells
Geltrex Ready-to-Use	Gibco	A1596-01	Coating the 96-well plates for cytotoxicity assay

IncuCyte NuCLight Red Lentivirus Reagent	Essen BioScience	4476	Lenti viral particules encoding mKate2
IncuCyte ZOOM	Essen BioScience		Detector (fluorescence microscope)
IncuCyte ZOOM 2018A	Essen BioScience		Analysis software
L-Glutamine (100X)	Gibco	A2916801	
Lung Dissociation Kit	Miltenyi	130-095-927	Preparation of single cell suspension from the tumor-bearing lung
MycoAlert Mycoplasma Detection Kit	Lonza	LT07-318	
Non-essential amino acid (100X)	Gibco	11140-035	
NucView488	Biotium	10403	Fluoregenic caspase-3 substrate
PE anti-mouse Ly6G Antibody	Biolegend	127607	Clone: 1A8, Lot#: B258704, 0.5 μ L/1x10 ⁶ cells
PE/Cy7 anti-mouse CD11b Antibody	Biolegend	101216	Clone: M1/70, Lot#: B249268, 0.5 μ L/1x10 ⁶ cells
Pen Strep	Gibco	15140-122	Penicillin Streptomycin for primary culture of cells
PerCP/Cy5.5 anti-mouse CD45 Antibody	Biolegend	103132	Clone: 30-F11, Lot#: B249564, 0.5 μ L/1x10 ⁶ cells
Polybrene (Hexadimethrine bromide)	Sigma	H9268	
Puromycin	Gibco	A11138-03	
RBC Lysis Buffer (10X)	Biolegend	420301	
Recombinant murine IL-2	Peptotech	212-12	Activation of isolated CD8+ T cells
Sodium pyruvate (100X)	Gibco	11360-070	
TruStain fcX (anti-mouse CD16/32) Antibody	Biolegend	101320	
: Nikon 10X objective (resolution 1.22 μ m) : Green channel excitation: 440 - 480 nm : Green channel emission: 504 - 544 nm : Red channel excitation: 565-605 nm : Red channel emission: 625 - 705 nm			