

Materials List for:

# Isolation of Adipose Tissue Immune Cells

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URL: <https://www.jove.com/video/50707>

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## Materials

Name	Company	Catalog Number	Comments
DPBS (no Ca or Mg) 10 x 500 ml	Life Technologies	14190-250	
DAPI	Life Technologies	D3571	
BSA	Sigma	A2153-100G	
collagenase	Sigma	C6885-5G	
propidium iodide solution	Sigma	P4864-10 ml	
stable stack 20 microliter	Rainin	SS-L10	
20 microliter filter tips	Rainin	SRL10F	
stable stack 250 microliter tips	Rainin	SS-L250	
1000 microliter tips	Rainin	GPS-L1000	
1000 microliter filter tips	Rainin	GP-L1000F	
250 microliter Filter Tips	Rainin	SR-L200F	
FC Block	BD Biosciences	553142	
fisher 100mn strainers	Fisherbrand	22-363-549	
medium weigh dish	Fisherbrand	02-202B	
aluminum foil	Fisherbrand	1213100	
mincing scissors	Fisherbrand	089531B	
Vortex	Fisherbrand	2215365	
50 ml conical tubes	BD Falcon	14-959-49A	
filter top FACS tubes	BD Falcon	352235	
10 ml pipette case 200	BD Falcon	1367520	
round bottom tubes	BD Falcon	352058	
5 ml syringe	BD Falcon	309646	
V Bottom Plates	Costar	07-200-107	
transfer bulb pipette	Thermo Scientific	13-711-22	
Shaker	Thermo Scientific	11 676 071	
Adhesive mat	Thermo Scientific	1368750	
Cell Culture Centrifuge	Sorvall	75253839	
Adapters	Sorvall	75003723	
Rat anti-mouse CD16/CD32	BD Biosciences	553142	Concentration: 0.5 - 1 µg/ 10 <sup>6</sup> cells
Rat anti-mouse F4/80	eBioscience	17-4801	Fluorophore conjugate: APC Concentration: 0.2 µg/ 10 <sup>6</sup> cells Isotype control catalog number: 17-4321
Rat anti-mouse CD11b	eBioscience	11-0112	Fluorophore conjugate: FITC Concentration: 0.5 µg/ 10 <sup>6</sup> cells Isotype control catalog number: 11/1/4031

Armenian Hamster anti-mouse CD11c	eBioscience	12-0114	Fluorophore conjugate: PE Concentration: 0.8 µg/ 10 <sup>6</sup> cells Isotype control catalog number: Dec-88
Goat anti-mouse MGL1/2	R&D Systems	FAB4297P	Fluorophore conjugate: PE Concentration: 0.1 µg/ 10 <sup>6</sup> cells Isotype control catalog number: IC108P
Goat anti-mouse CD206	R&D Systems	FAB2535P	Fluorophore conjugate: PE Concentration: 0.1 µg/ 10 <sup>6</sup> cells Isotype control catalog number: IC108P
Rat anti-mouse CCR2	R&D Systems	FAB5538P	Fluorophore conjugate: PE Concentration: 0.1 µg/ 10 <sup>6</sup> cells Isotype control catalog number: IC013P
Armenian Hamster anti-mouse TCRβ	BD Biosciences	553174	Fluorophore conjugate: APC Concentration: 0.2 µg/ 10 <sup>6</sup> cells Isotype control catalog number: 553956
Rat anti-mouse CD8a	BD Biosciences	552877	Fluorophore conjugate: PE-Cy7 Concentration: 0.8 µg/ 10 <sup>6</sup> cells Isotype control catalog number: 552784
Rat anti-mouse CD4	BD Biosciences	557956	Fluorophore conjugate: Alexa Fluor 700 Concentration: 0.2 µg/ 10 <sup>6</sup> cells Isotype control catalog number: 557963

**Table 1. List of Materials and Reagents.**