

Visualizing Lung Cellular Adaptations during Combined Ozone and LPS Induced Murine Acute Lung Injury

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Citation

 Duda, J.A.B., Kaur, M., Aulakh, G.K. Visualizing Lung Cellular Adaptations during Combined Ozone and LPS Induced Murine Acute Lung Injury. *J. Vis. Exp.* (169), e62097, doi:10.3791/62097 (2021).

Date Published

March 21, 2021

DOI

10.3791/62097

URL

jove.com/video/62097

Materials

Name	Company	Catalog Number	Comments
33-plex Bioplex chemokine panel	Biorad	12002231	
63X oil (NA 1.4-0.6) Microscope objectives	Leica	HCX PL APO CS (11506188)	
Alexa 350 conjugated goat anti-mouse IgG (H+L)	Invitrogen	A11045	
Alexa 488 conjugated goat anti-mouse IgG (H+L)	Invitrogen	A11002	
Alexa 488 conjugated phalloidin	Invitrogen	A12370	
Alexa 555 conjugated mouse anti- α tubulin clone DM1A	Millipore	05-829X-555	
Alexa 568 conjugated goat anti-hamster IgG (H+L)	Invitrogen	A21112	
Alexa 568 conjugated goat anti-rat IgG (H+L)	Invitrogen	A11077	
Alexa 633 conjugated goat anti-rabbit IgG (H+L)	Invitrogen	A21070	
Armenian hamster anti-CD61 (clone 2C9.G2) IgG1 kappa	BD Pharmingen	553343	
C57BL/6 J Mice	Jackson Laboratories	64	
Confocal laser scanning microscope	Leica	Leica TCS SP5	
DAPI (4',6-diamidino-2-phenylindole)	Invitrogen	D1306	aliquot in 2 μ l stocks and store at -20°C
Inverted fluorescent wide field microscope	Olympus	Olympus IX83	
Ketamine (Narketan)	Vetoquinol	100 mg/ml	Dilute 10 times to make a 10 mg/ml stock
Live (calcein)/Dead (Ethidium homodimer-1) cytotoxicity kit	Invitrogen	L3224	
Mouse anti-ATP5A1 IgG2b (clone 7H10BD4F9)	Invitrogen	459240	
Mouse anti-ATP5 β IgG2b (clone 3D5AB1)	Invitrogen	A-21351	

Mouse anti-NK1.1 IgG2a kappa (clone PK136)	Invitrogen	16-5941-82	
Pierce 660 nm protein assay	Thermoscientific	22660	
Rabbit anti-angiostatin (mouse aa 98-116) IgG	Abcam	ab2904	
Rabbit anti-CX3CR1 IgG (RRID 467880)	Invitrogen	14-6093-81	
Rat anti-Ki-67 (clone SolA15) IgG2a kappa	Invitrogen	14-5698-82	
Rat anti-Ly6G IgG2a kappa (clone 1A8)	Invitrogen	16-9668-82	
Rat anti-Ly6G/Ly6C (Gr1) IgG2b kappa (clone RB6-8C5)	Invitrogen	53-5931-82	
Rat anti-mouse CD16/CD32 Fc block (clone 2.4G2)	BD Pharmingen	553142	
Reduced mitotracker orange	Invitrogen	M7511	
Xylazine (Rompun)	Bayer	20 mg/ml	Dilute 2 times to make a 10 mg/ml stock