

Cationic Nanoemulsion-Encapsulated Retinoic Acid as an Adjuvant to Promote OVA-specific Systemic and Mucosal Responses

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Materials

Name	Company	Catalog Number	Comments
1640 medium	GIBCO, USA	C11875500BT	
450 nm Stop Solution for TMB Substrate	Abcam	ab171529-1000 mL	
Automated Cell Counter	Countstar, China	IC1000	
BSA	Sigma-Aldrich, USA	B2064-100G	
Centrifuge 5810 R	Eppendorf, Germany	5811000398	
Danamic Light Scattering	Malvern	Zetasizer Nano S90	
DOTAP	CordenPharma, Switzerland	O02002	
ELISpot Plus: Mouse IFN-gamma (ALP)	mabtech	ab205719	
Fetal Bovine Serum	GIBCO, USA	10099141C	
Full-function Microplate Reader	Thermo Fisher Scientific, USA	VL0000D2	
Goat Anti-Mouse IgG1(HRP)	Abcam	ab97240-1mg	
Goat Anti-Mouse IgA alpha chain (HRP)	Abcam	ab97235-1mg	
Goat Anti-Mouse IgG H&L (HRP)	Abcam	Ab205720-500ug	
Goat Anti-Mouse IgG2a heavy chain (HRP)	Abcam	ab97245-1mg	
High pressure homogenizer	ATS		
MONTANE 85 PPI	SEPPIC, France	L12910	
MONTANOX 80 PPI	SEPPIC, France	36372K	
OVA257-264	Shanghai Botai Biotechnology Co., Ltd.	NA	
OVA323-339	Shanghai Botai Biotechnology Co., Ltd.	NA	
Phosphate buffer saline	ZSGB-bio	ZLI-9061	
Red Blood Cell Lysis Buffer	Solarbio, China	R1010	

retinoic acid	TCI, Japan	TCI-R0064-5G	
Squalene	Sigma, USA	S3626	
T10 basic Ultra-Turrax	IKA, Germany		
TMB ELISA Substrate	Abcam	ab171523-1000ml	
trypsin inhibitor	Diamond	A003570-0100	
Tween-20	Macklin, China	9005-64-5	
Ultraviolet spectrophotometer	Hitachi	U-3900	