

A Strategy for the Study of IL-9-Producing Lymphoid Cells in the *Nippostrongylus brasiliensis* Infection Model

Ofelia Muñoz-Paleta^{*1}, Enrique Olguín-Martínez^{*1}, Blanca Estela Ruiz-Medina^{*1}, Alejandra Alonso-Quintana¹, Ma Cleofas Marcial-Medina¹, Paula Licona-Limón¹

¹Departamento de Biología Celular y del Desarrollo, Instituto de Fisiología Celular, Universidad Nacional Autónoma de México

* These authors contributed equally

Corresponding Author

Paula Licona-Limón
plicona@ifc.unam.mx

Citation

Muñoz-Paleta, O., Olguín-Martínez, E., Ruiz-Medina, B.E., Alonso-Quintana, A., Marcial-Medina, M.C., Licona-Limón, P. A Strategy for the Study of IL-9-Producing Lymphoid Cells in the *Nippostrongylus brasiliensis* Infection Model. *J. Vis. Exp.* (193), e64075, doi:10.3791/64075 (2023).

Date Published

March 3, 2023

DOI

10.3791/64075

URL

jove.com/video/64075

Materials

Name	Company	Catalog Number	Comments
ACK buffer	Homemade		
Attune Nxt cytometer	ThermoFisher		
B220	Biolegend	103204	
CD11b	Biolegend	101204	
CD11c	Biolegend	117304	
CD19	Biolegend	115504	
CD4	Biolegend	100404	
CD4 (BV421)	Biolegend	100443	
CD45.2	Biolegend	109846	
CD8	Biolegend	100703	
CD90.2	Biolegend	105314	
Collagenase D	Roche	11088866001	
DNAse I	Invitrogen	18068015	Specific activity: ≥10 000 units/mg
Facs ARIA II sorter	BD Biosciences		
FACS Melody cell sorter	BD Biosciences		
Fc-Block	Biolegend	101320	
FcεRI	eBioscience	13589885	
Fetal bovine serum	Gibco	26140079	
FlowJo	FlowJo		Flow cytometry analysis data software
Gr-1	Tonbo	305931	
Hanks Balanced Salt Solution (HBSS)	Homemade		
IL-9	biolegend	514103	
NK1.1	Biolegend	108704	

Nylon mesh	Corning	B07HYHHX5V	
OptiPrep Density Gradient Medium	Sigma	D1556	
Phosphate-buffered saline	Homemade		
RPMI	Gibco	11875093	
Siglec F	Biolegend	155512	
Streptavidin	Biolegend	405206	
TCR-β	Biolegend	109203	
TCR-β (PE/Cy7)	Biolegend	109222	
TCR-γδ	Biolegend	118103	
Ter119	Biolegend	116204	
Tricine buffer	Homemade		
Zombie Aqua Fixable Viability Dye	Biolegend	423101	