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FACS for CD45+ immune cells

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ABSTRACT


This protocol details FACS of intestinal immune cells (CD45+).


ATTACHMENTS


[786-1993.pdf](#)

MATERIALS

Reagents

 BD Pharmingen™ Purified Rat Anti-Mouse CD16/CD32 (Mouse BD Fc Block™) BD Biosciences Catalog #553142

 BD Horizon™ BUV395 Rat Anti-Mouse CD45 BD Biosciences Catalog #564279

 Propidium Iodide Solution BioLegend Catalog #421301

Equipment

Sony MA900 Multi-Application Cell Sorter

OPEN ACCESS

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Protocol status: Working
We use this protocol and it's working

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PROTOCOL integer ID:
84890

Keywords: FACS, immune cell, T cell, sorting

Procedure




52m

1 Resuspended cells isolated from the small intestine with  400 μL Fc block (BD Biosciences, Cat# 553142; Franklin Lakes, NJ), 1:200 in FACS buffer.

2 Incubate for  00:20:00  On ice .



20m



3 Wash cells in  500 μL FACS buffer, pellet at  1500 rpm, 00:02:00 , then resuspend in  600 μL of FACS buffer with 1:100 CD45 BUV395 antibody (BD Biosciences, Cat# 564279; Franklin Lakes, NJ).


2m




4 Incubate  On ice for  00:30:00 .

30m



5 After 30 minutes, wash cells in  500 μL FACS buffer.



6 Resuspend in  500 μL of FACS buffer containing propidium iodide (BioLegend, Cat# 421301; San Diego, CA) at 1:10,000.

7 Sort viable, CD45+ cells on a Sony MA900 Multi-Application Cell Sorter.