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T cell depletion

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol details T cell depletion by antibodies targeting CD4 and CD8.

Attachments



[786-2014.pdf](#)

37KB

Materials

Reagents

 Ultra-LEAF™ Purified anti-mouse CD4 Antibody **BioLegend Catalog #100457**

 Ultra-LEAF™ Purified Rat IgG2b κ Isotype Ctrl Antibody **BioLegend Catalog #400644**

 Ultra-LEAF™ Purified anti-mouse CD8a Antibody **BioLegend Catalog #100746**

Procedure

- 1 Inject mouse intraperitoneally with  250 µg of Ultra-LEAF Purified anti-mouse CD4 or Rat IgG2b isotype control antibodies (Biolegend, Cat #100457 and Cat #400644; San Diego, CA) 3 and 1 days prior to immunization.
- 2 After immunization, inject mice with  250 µg of antibody weekly.
- 3 Assess cell depletion by flow cytometric analysis of mouse blood serum.
- 4 For depletion of CD8+ T cells, inject the mouse intraperitoneally with  250 µg of Ultra-LEAF Purified CD8+ or Rat IgG2b isotype control antibodies (Biolegend Cat #100746 and Cat #400644; San Diego, CA) 2 days prior to immunization.
- 5 After immunization, inject mice with  250 µg of each antibody 9- and 19-days post immunization.
- 6 Assess cell depletion by flow cytometric analysis of mouse blood serum.