

# ***InVivoPro* Anti-Mouse Ly6G/Ly6C (Gr-1) *in vivo* antibody, Clone RB6-8C5**

**Cat #:** IV0113

**Size:** 1mg, 5mg, 25mg, 50mg, 100mg

## **Product Information**

<b>Isotype:</b>	Rat IgG2b
<b>Reactivity:</b>	Mouse
<b>Formulation:</b>	PBS, pH 7.2, contains no stabilizers or preservatives
<b>Concentration:</b>	Lot specific, generally $\geq 5.0$ mg/ml
<b>Applications:</b>	<i>In vivo</i> depletion of Gr-1+ myeloid cells, Flow cytometry, Immunohistochemistry (Paraffin and Frozen), Western blot
<b>Recommended Isotype Control:</b>	IV0106 or Rat IgG2b Isotype Control
<b>Endotoxin:</b>	$\leq 1.0$ EU/mg, by the LAL method
<b>Purity:</b>	99%
<b>Sterility:</b>	0.2 $\mu$ M filtered
<b>Purification:</b>	Protein A or G
<b>Recommended Dose Range:</b>	200-500 $\mu$ g per mouse or 10-20 mg/kg. This range is based off the most recent publication data using the RB6-8C5 clone <i>in vivo</i> . Each investigator should determine their own optimal working dilution for specific applications.
<b>Storage:</b>	This antibody is stable for at least 2 months when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid repeated freeze thaw cycles.

## **Background**

Gr-1 is a 21-25 kD protein also known as Ly-6G/Ly-6C. This myeloid differentiation antigen is a glycosylphosphatidylinositol (GPI)-linked protein expressed on granulocytes and macrophages. Clone RB6-8C5 antibody has been shown to inhibit the binding of the clone 1A8 antibody. Clone 1A8 monoclonal antibody reacts specifically with mouse Ly6G with no reported cross-reactivity with Ly6C.

**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.