

# Neutrophil Depletion & Validation Kit

**Product Code:** ICH8267

**More Information**

**Species Reactivity:** Mouse

**Concentration:** >1mg/ml, 5 µL/Test

**Isotype:** Rat IgG2a, Rat IgG2b Kappa

**Host:** Rat

**product name H2:** Neutrophil Depletion & Validation Kit

**background:** Neutrophils are the first responders to acute inflammation and play a complex role in the tumor microenvironment (often acting as myeloid-derived suppressor cells). When depleting neutrophils in vivo, researchers commonly use the highly specific Anti-Ly6G antibody. However, attempting to validate this depletion by staining for Ly6G or the broader Gr-1 receptor on a flow cytometer often results in severe epitope masking, leading to inaccurate cell counts and false-negative data. ichorbio's Neutrophil Depletion & Validation Kit entirely bypasses this structural interference. We pair our Low endotoxin in vivo Anti-Mouse Ly6G (Clone 1A8), which specifically clears neutrophils, with a non-competing validation readout: Anti-Mouse CD11b (Clone M1/70). Because Clone 1A8 binds to the Ly6G receptor and Clone M1/70 independently targets the CD11b (Mac-1) antigen on the neutrophil surface, researchers achieve a highly accurate, masking-free quantification of their in vivo depletion efficacy. Kit Includes: The Depletor: Anti-Mouse Ly6G In Vivo Antibody (Clone 1A8) - Low Endotoxin (1.0 EU/mg) The Validation Readout: Anti-Mouse CD11b Flow Antibody (Clone M1/70) - 100 Tests (Available in FITC, PE, or APC)

**clone:** 1A8 and M1/70

**Specificity:** Ly-6G, CD11b

**Purification Method:** These monoclonal antibodies were purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.



**Formulation:** Depletion antibody: Phosphate buffered saline (PBS) pH 7.2, with no carrier protein, potassium or preservatives added. BSA and Azide free. Validation Antibody: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

**Storage:** Depletion antibody: Can be frozen. Validation antibody: can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.

**Applications:** In vivo, Flow Cytometry