



Hypoxyprobe, Inc.
121 Middlesex Turnpike
Burlington, MA 01803 USA
www.hypoxyprobe.com

Hypoxyprobe™-11 Antibody

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- Contents:** Anti-pimonidazole mouse IgG1 monoclonal antibody (MAb1) Lot # 4.3.15 (60 micrograms/ml)
- Data Sheet:** Hypoxyprobe™ RED PE (Cat# HP11)
- Description:** Mouse IgG1 monoclonal antibody conjugated to Phycoerythrin (PE) fluorophore (HP-Red-PE-Mab).
- Specificity:** Pimonidazole forms adducts with thiol containing proteins at $pO_2 \leq 10$ mm Hg. HPRedPE-MAb binds to pimonidazole adducts in hypoxic cells in tissues and in culture. Please see www.hypoxyprobe.com for details of the Hypoxyprobe system for detecting cell and tissue hypoxia.
- Format:** Each vial of HP-RedPE-MAb contains anti-pimonidazole antibody dissolved in 200 microliters of stabilized buffer at a concentration of approximately 0.50 mg/mL.
- Product Type:** Fluorophor conjugated IgG1 mouse monoclonal antibody (clone 4.3.11.3)
- Fluorophore- Protein Ratio:** ≥ 1 APC moiety per IgG1 molecule.
- Fluorescence:** Excitation 495nm and 565nm; Emission max 573 nm. Phycoerythrin has strong red fluorescence.
- Applications:** Flow cytometry on isolated cells and immunofluorescence on frozen tissue sections. HP-PE-MAb is an alternative to FITC-labeled anti-pimonidazole mouse monoclonal antibody1. 1/20-1/200 dilution is suggested but users should optimize in their system using appropriate negative and positive controls.
- Target Species:** All.
- Product Form:** Purified IgG1 prepared by affinity chromatography
- Buffer:** Proprietary formulation containing stabilizers. 1.