



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

Data Sheet: Hypoxyprobe™ RED APC MAb-1 Antibody
(HPI Catalog #HP RED APC MAb-1)

Description: Rat IgG1 monoclonal antibody conjugated to RED dye Allophycocyanin, APC (HP-RED APC MAb-1)

Specificity: Pimonidazole forms adducts with thiol containing tissue proteins at $pO_2 \leq 10$ mm Hg. HP RED APC MAb-1 binds to pimonidazole adducts in hypoxic cells in tissue and tissue culture.

Format: Each vial of HP RED APC MAb-1 contains the antibody dissolved in 200 microliters of stabilized diluent at a concentration of approximately 0.5 mg/ml.

Fluorophore-Protein Ratio: 5:1

Fluorescence: Intense far-red fluorescence with high quantum yields. It is excited by laser lines at 594nm and 633nm or by absorption of light around 650nm and emits light at 660nm in the far-red section of the visible spectrum.

Applications: This dye-linked anti-pimonidazole antibody is suitable for applications that require high sensitivity such as Enzyme Linked Immunosorbant Assays (ELISA), Micro Array Assays or flow cytometry.

Target Species: All species

Product Form: Purified IgG1 prepared by affinity chromatography

Buffer: Proprietary formulation containing stabilizers.