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Hypoxyprobe™ Red PE Mab Antibody

(HPI Catalog # HP-1 RED PE MAb-1)

<u>Description:</u>	Rat IgG1 monoclonal antibody conjugated to RED Phycoerythrin (PE) (HP RED PE MAb)
<u>Specificity:</u>	Pimonidazole forms adducts with thiol containing tissue proteins at $pO_2 \leq 10\text{mm Hg}$. HP-1 RED PE MAb binds to pimonidazole adducts in hypoxic cells in tissue and tissue culture.
<u>Format:</u>	Each vial of HP RED PE MAb contains the antibody dissolved in 200 microliters of stabilized diluent at a concentration of approximately 0.5 mg/mL.
<u>Fluorophore-</u>	
<u>Protein Ratio:</u>	5:1
<u>Fluorescence:</u>	Extremely bright red-orange fluorescence. High quantum yield. Excited at 496nm, 546nm, and 565nm maxima. The emission maximum is at 578nm.
<u>Applications:</u>	Designed for IF, Western Blotting, MAA, Flow cytometry, ELISA, and other assays that require high sensitivity fluorescence.
<u>Target Species:</u>	All species
<u>Product Form:</u>	Purified IgG1 prepared by affinity chromatography
<u>Buffer:</u>	Proprietary formulation containing stabilizers.