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Hypoxyprobe™ Biotin Kit

(HPI Catalog # HP10-XXX)

Description: Mouse IgG1 monoclonal antibody conjugated to Biotin (HP-Biotin Mab) and “x” mg of pimonidazole HCl (where x is 100mg, 200mg or 1gram)

Specificity: Pimonidazole forms adducts with thiol containing tissue proteins when the partial oxygen pressure in the tissue is under 10mm Hg otherwise known as hypoxia. Biotin Mab antiserum binds to pimonidazole adducts in hypoxic cells in tissue and tissue culture.

Format: Each vial of HP-Biotin contains the antibody dissolved in 200 microliters of stabilized diluent at a concentration of approximately 0.5 mg/mL.

Product Type: Biotin conjugated IgG1 mouse monoclonal antibody (clone 4.3.11.3)

Fluorophore Protein Ratio: ≥ 4 Biotin per IgG1 molecule.

Product Details

Applications: Immunofluorescence or visible staining on frozen tissue sections or FFPT tissue sections. In addition, Flow cytometry, Western Blotting, spheroid research, and cell culture research. HP-Biotin MAb is designed as an alternative to other labeled anti-pimonidazole mouse monoclonal antibodies. Avidin bound secondary antibodies with chromophores attached are ideally suited for the Biotin Mab primary antiserum we sell. The Biotin Avidin bond is extremely strong make it a good choice for nanotechnology applications that use harsh soaps.

Target Species: All.

Product Form: Purified IgG₁ prepared by affinity chromatography

Buffer: Proprietary formulation containing stabilizers.