

Updated 2023



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

Data Sheet: Hypoxyprobe™ Biotin Kit (Cat# HP10-x)

- Description:** Rat IgG1 anti pimonidazole monoclonal antibody clone 11.23.22.R 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. HP Biotin Mab-1 antiserum binds to pimonidazole adducts in hypoxic cells in tissue and tissue culture.
- Format:** Each vial of HP-Biotin MAb-1 contains the antibody dissolved in 200 microliters of stabilized diluent at a concentration of approximately 0.5 mg/mL.
- Product Type:** Biotin conjugated IgG1 rat monoclonal antibody (clone 4.3.11.3)
- Biotin Protein Ratio:** ≥ 4 Biotin per IgG

Product Details

- Applications:** Designed for immunofluorescence or visible staining on frozen tissue sections or FFPE tissue sections. In addition, designed for flow cytometry, Western Blotting, spheroid research, and cell culture research. HP Biotin MAb-1 is designed as an alternative to other labeled anti-pimonidazole rat 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.
-

121 Middlesex Turnpike Burlington MA 01803 USA Tel 781 272 6888 Fax 781 272 9288 tlee@natural-pharma.com