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Data Sheet: Hypoxyprobe™ MAb Biotin Streptavidin-GOLD Kit (Cat# HP23-x)

- Description:** Mouse IgG1 anti pimonidazole monoclonal antibody conjugated to Biotin (HP-Biotin Mab) and Streptavidin bound to GOLD 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. Streptavidin GOLD binds to Biotin
- 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. Each vial of HP Streptavidin-GOLD contains the streptavidin protein bound to 5nm diameter Gold particles suspended in a 500 microliters of stabilized diluent as a colloid.
- Product Type:** Biotin conjugated IgG1 mouse monoclonal antibody (clone 4.3.11.3)
Protein Streptavidin bound to Gold particles.
- Biotin Protein Ratio:** ≥ 4 Biotin per IgG

Product Details

- Applications:** Designed for luminescence or immunofluorescence or visible staining on frozen tissue sections or FFPT 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 mouse monoclonal antibodies. Streptavidin bound secondary antibodies with chromophores attached are ideally suited for the Biotin Mab primary antiserum

we sell. The Biotin Streptavidin bond is extremely strong make it a good choice for the nanotechnology applications that use harsh soaps.

Target Species: All.

Product Form: Purified IgG1 prepared by affinity chromatography

Buffer: Proprietary formulation containing stabilizers.

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