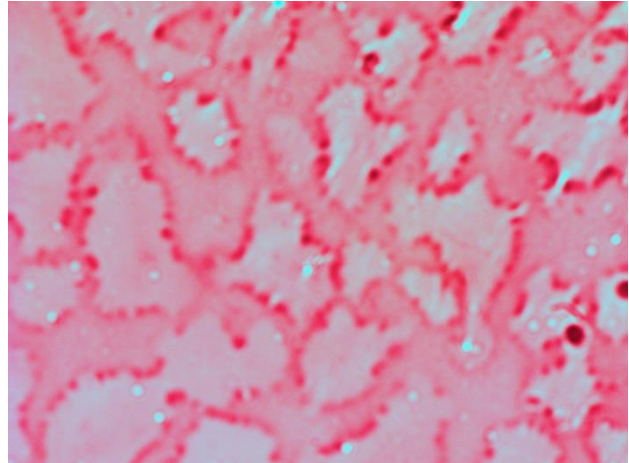




Hypoxyprobe, Inc.
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Hypoxyprobe™ Red549 Kit

(HPI Catalog # HP7-XXX)

- Description: Mouse IgG₁ monoclonal antibody conjugated to Dylight™549 fluorophore (HP-Red549) and x mg of solid pimonidazole HCl ($x = 100, 200$ or 1000 mg).
- Specificity: Pimonidazole forms adducts with thiol containing tissue proteins at $pO_2 \leq 10$ mm Hg. HP-Red549 binds to pimonidazole adducts in hypoxic cells in tissue and tissue culture.
- Format: Each vial of HP-Red549 contains the antibody dissolved in 200 microliters of stabilized diluent at a concentration of approximately 0.5 mg/mL
- Product Type: Fluorophore conjugated IgG₁ mouse monoclonal antibody (clone 4.3.11.3)
- Fluorophore Protein
- Ratio: ≥ 4 Dylight549 per IgG1 molecule.

Product Details

- Applications: Flow cytometry and immunofluorescence on frozen tissue sections. HP- Red549 is designed as an alternative to FITC labeled anti-pimonidazole mouse monoclonal antibody1. Unpublished data indicate that HP-Red549 serves this purpose well. A dilution of 1/20-1/200 is suggested as a working guide only. It is recommended that users titrate the product for use in their system using appropriate negative and positive controls. Image above: human tumor xenograft hypoxia (red); 1/200 dilution of HP-Red549 overnight at 4oC on frozen section. (Courtesy of Hans Peters, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands.)
- Target Species: All.
- Product Form: Purified IgG₁ prepared by affinity chromatography
- Buffer: Proprietary formulation containing stabilizers.