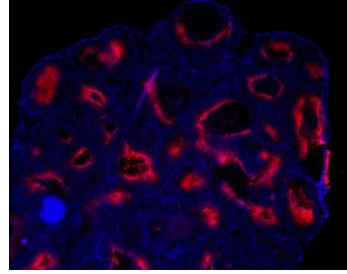


Updated 2019

hpi

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Data Sheet: Hypoxyprobe™ Red549 Kit (Cat# HP7-x)

Description:	Mouse IgG ₁ monoclonal antibody conjugated to Dylight™549 fluorophore (HP-Red549) and <i>x</i> mg of solid pimonidazole HCl (<i>x</i> = 100, 200 or 1000 mg).
Specificity:	Pimonidazole forms adducts with thiol containing tissue proteins at pO ₂ ≤ 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 IgG ₁ 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 antibody ¹ . Unpublished data indicate that HP-Red549 serves this purpose well.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 4°C on frozen section. (Courtesy of Hans Peters, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands.)
Target Species:	All.
Product Form:	Purified IgG ₁ prepared by affinity chromatography
Buffer:	Proprietary formulation containing stabilizers.