



OXFORD BIOMEDICAL RESEARCH

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Product specifications

Anti-Prostacyclin Synthase

Product # PG 23 **Typical Lot**

- Immunoglobulin Type:** Monoclonal Mouse IgG₁.
- Specificity:** Bovine PGI₂ Synthase reacts to most mammalian species, including bovine, mouse, rat, sheep, guinea pig, and rabbit.
- Concentration:** At least 20 µg IgG/mL
- Applications:** Immunoassay (titre from 1/10), immunoprecipitate PGI synthase activity(1/2 dilution), and immunohistochemical localization of PGI₂ Synthase (undiluted).
- Contents per Vial:** 1 mL of culture medium from the isn-1 hybridoma cell line containing 0.1% sodium azide.
- Stability:** Stable for several weeks at 4^o C, several months at -20^oC, and indefinitely at -70^oC. Avoid repeated freeze/thaws.
- References:**
- Smith, W.L., DeWitt, D.L., and Allen, M.L. Bimodal Distribution of the PGI₂ synthase antigen in smooth muscle cells. J. Biol. Chem. 258: 4922 (1983).

DeWitt, D.L., Day, J.S., Sonnenburg, W.K., and Smith, W.L. Concentrations of PGH Synthase and PGI₂ Synthase in the Endothelium and Smooth Muscle of Bovine Aorta. *J. Clin. Invest.* 72: 1882 (1983).

DeWitt, D.L., and Smith, W.L. Purification of PGI₂ Synthase by Immunoaffinity Chromatography: Evidence that the Enzyme is a Hemoprotein. *J. Biol. Chem.* 258: 3285 (1983).

DeWitt, D.L. and Smith W.L. Monoclonal Antibodies Against PGI₂ Synthase: An Immunoradiometric Assay for Quantitating the Enzyme. *Methods in Enzymology* 86: 240 (1982).