

OXFORD BIOMEDICAL RESEARCH P.O. Box 522, Oxford MI 48371 • USA USA: 800-692-4633 • Fax: 248-852-4466 www.oxfordbiomed.com

## **Product specifications**

## **Anti-Prostaglandin H Synthase-1**

Product # PG 05 Typical Lot

Immunoglobulin Type:	Monoclonal Mouse IgG.
Specificity:	This antibody was developed against ovine PGHS-1 and specifically reacts with ovine PGHS-1 at 1:1000 or higher dilution.
Uses:	For Western blotting and Immunohistochemistry using alkaline phosphatase or horseradish peroxidase, a dilution of 1:1000 is recommended. With a more sensitive detection system, such as enhanced chemiluminescence or ELISA, the antibody may be diluted further.
Contents (per vial):	100 $\mu L$ of ascetic fluid containing 0.1% sodium azide.
Storage:	Stable several weeks at 4°C or several months at -20°C. Avoid repeated freeze/thaw cycles.

## **References:**

1. DeWitt, D.L., et al., 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., et al., Orientation of the Active Site and Antigenic Determinants of Prostaglandin Endoperoxide (PGH) Synthase in the Endoplasmic Reticulum. *J. Biol. Chem.* 256: 10375 (1981).
- Pagels, W.R., et al., Immunochemical Evidence for the Involvement of Prostaglandin Endoperoxide Synthase in Hydroperoxide-Dependent Oxidations by Ram Seminal Vesicles. J. Biol. Chem. 258: 6517 (1983).
- 4. Smith, W.L., and Rollins, T.E., Characteristics of Rabbit Anti-PGH Synthase Antibodies and Use in Immunochemistry. *Methods in Enzymology* **86**: 213 (1982).
- DeWitt, D.L., et al., Monoclonal Antibodies Against PGH Synthase: An Immunoradiometric Assay for Quantitating the Enzyme. *Methods in Enzymology* 86: 229 (1982).