

**Product Specification Sheet**

Description: Anti-PGH Synthase-1 (COX-1) Monoclonal Antibody  
Product Number: PG22  
Aliquot: 1.0 mL  
Lot Number: pb22.11B90DF  
Storage: -20°C

<b>DESCRIPTION:</b>	Anti-PGH Synthase-1 (COX-1) monoclonal antibody from the cyo-5 hybridoma cell line.
<b>MOLECULAR WEIGHT:</b>	Target MW is ~68kDa
<b>CONCENTRATION:</b>	Approximately 50 µg IgG/mL.
<b>STORAGE BUFFER:</b>	Culture media containing 0.1% sodium azide.
<b>STORAGE:</b>	Stable for several weeks at 4° C, several months at -20°C, and indefinitely at -70°C. Avoid repeated freezing and thawing.
<b>IMMUNOGEN:</b>	Ovine PGHS-1
<b>PURIFICATION:</b>	Not purified.
<b>CLASS:</b>	IgG2b
<b>APPLICATIONS:</b>	Immunoassay or immunohistochemical localization of Prostaglandin H Synthase.
<b>SPECIES SPECIFICITY:</b>	Reacts with sheep, bovine, guinea pig, rabbit and human PGH Synthase. Does not react with rat, mouse or dog PGH Synthase.
<b>REFERENCES:</b>	<p>DeWitt, D.L., et al., Concentrations of PGH Synthase and PGI<sub>2</sub> Synthase in the Endothelium and Smooth Muscle of Bovine Aorta. <i>J. Clin. Invest.</i> <b>72</b>: 1882 (1983).</p> <p>DeWitt, D.L., et al., Orientation of the Active Site and Antigenic Determinants of Prostaglandin Endoperoxide (PGH) Synthase in the Endoplasmic Reticulum. <i>J. Biol. Chem.</i> <b>256</b>: 10375 (1981).</p> <p>Pagels, W.R., et al., Immunochemical Evidence for the Involvement of Prostaglandin Endoperoxide Synthase in Hydroperoxide-Dependent Oxidations by Ram Seminal Vesicles. <i>J. Biol. Chem.</i> <b>258</b>: 6517 (1983).</p> <p>Smith, W.L. and Rollins, T.E., Characteristics of Rabbit Anti-PGH Synthase Antibodies and Use in Immunochemistry. <i>Methods in Enzymology</i> <b>86</b>: 213 (1982).</p> <p>DeWitt, D.L., et al., Monoclonal Antibodies Against PGH Synthase: An Immunoradiometric Assay for Quantitating the Enzyme. <i>Methods in Enzymology</i> <b>86</b>: 229 (1982).</p>