



## Rabbit anti-PGI Synthase IgG conjugated to R-Phycoerythrin

Product Number D5-1867  
Amount 100 µg total protein  
Store at 4°C

### Form/ Storage

Supplied as a lyophilized powder. Upon receipt, store at 2-8°C in the dark. Phycobiliproteins are sensitive to freeze-thaw cycles: after reconstitution, store at 2-8°C in the dark – do not freeze.

### Handling

Avoid exposure to heat and light. Prior to use reconstitute to 1 ml with distilled deionized water, vortex and allow it to sit on ice for 20 minutes.

### Buffer

Upon reconstitution, the product is in 100 mM sodium phosphate (pH 7.4), 50 mM sucrose, 150 mM sodium chloride, 0.1% BSA as a stabilizer, and 2 mM sodium azide as a preservative.

### Stability

Lyophilized material is stable for one year. After product has been reconstituted, product should be stored at 2-8°C in the dark and be used within 6 months.

### Antigen Info

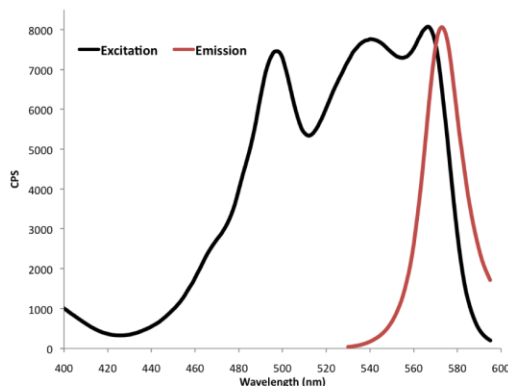
PGIS sequence amino acids 475-490  
(PEFDLSRYGFGLMQPE)

### Reactivity

Human, bovine, ovine, rat, and murine PGIS; other species not tested

### Note

For research use only, not for diagnostic or therapeutic use.



Fluorescence excitation and emission spectra of R-phycoerythrin in 100 mM sodium phosphate (pH 7.2) + 1 mM EDTA and 1 mM sodium azide. Emission scan was taken with excitation at 498 nm. Excitation scan was taken with emission at 575 nm.

### Spectral Characteristics

Visible absorption maxima 565>540>498  
Emission maximum 578 nm

### Concentration

After reconstitution to 1.0 ml  
0.1 mg/mL

### References:

- DeWitt, D.L. and Smith, W.L. Purification of prostacyclin synthase from bovine aorta by immunoaffinity chromatography. Evidence that the enzyme is a hemoprotein. *J. Biol. Chem.* 258, 3285-3293 (1983).
- Miyata, A., Hara, S., Yokoyama, C., et al. Molecular cloning and expression of human prostacyclin synthase. *Biochem. Biophys. Res. Commun.* 200, 1728-1734 (1994).
- Pereira, B., Wu, K.K., and Wang, L.-H. Molecular cloning and characterization of bovine prostacyclin synthase. *Biochem. Biophys. Res. Commun.* 203, 59-66 (1994).
- Hara, S., Miyata, A., Yokoyama, C., et al. Isolation and molecular cloning of prostacyclin synthase from bovine endothelial cells. *J. Biol. Chem.* 269, 19897-19903 (1994).

