



## Rabbit anti-15-Hydroxy PGDH IgG conjugated to R-Phycoerythrin

Product Number D5-1864  
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 3 months.

### Antigen Info

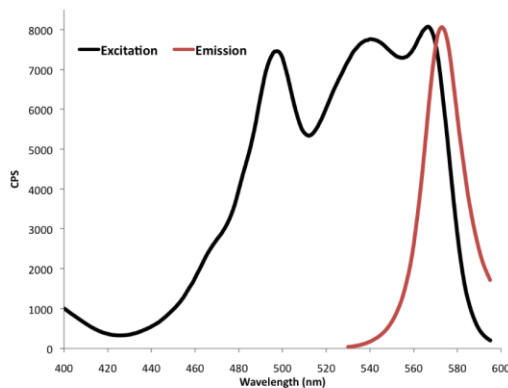
NAD<sup>+</sup>-dependent 15-hydroxy PGDH amino acids 92-105 (AGVNNEKNWEKTLQ)

### Reactivity

Human, bovine, guinea pig, and baboon 15-hydroxy PGDH; 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  
Fluor:Protein = ~2:1

### References:

- Ensor, C.M., Yang, J.-Y., Okita, R.T., et al. J. Biol. Chem. 265, 14888-14891 (1990).
- Duffy, D.M., Dozier, B.L., and Seachord, C.L. J. Clin. Endocrinol. Metab. (2004).
- Hansen, H.S. Prostaglandins 12, 647-679 (1976).
- Jörnvall, H., Persson, B., Krook, M., et al. Biochemistry 34, 6003-6013 (1995).
- Krook, M., Marekov, L., and Jörnvall, H. Biochemistry 29, 738-743 (1990).
- Wermuth, B. NADP-dependent Prostaglandins 44, 5-9 (1992).

