



Rabbit anti-EP2 Receptor IgG (C-term.) conjugated to R-Phycoerythrin

Product Number D5-1863
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

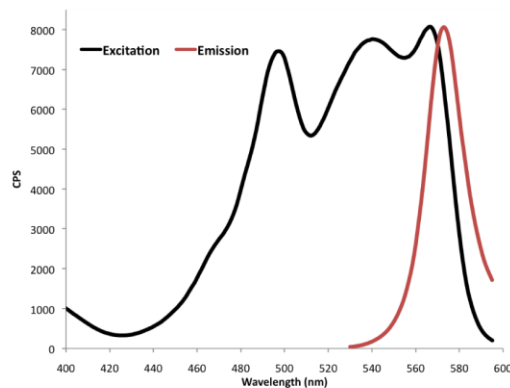
EP2 receptor (C-terminal amino acids 335-358; SLRTQDATQTSCSTQSDASKQADL)

Reactivity

EP2 receptor (PGE2 Receptor 2, Prostaglandin E2 Receptor 2) human, murine, and rat (other species not tested); Not reactive with EP1, EP3, and EP4 receptors.

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:

- Regan, J.W., Bailey, T.J., Pepperl, D.J., et al. Cloning of a novel human prostaglandin receptor with characteristics of the pharmacologically defined EP2 subtype. *Mol. Pharmacol.* 46, 213-220 (1994).
- Cosme, R., Lublin, D., Takafuji, V., et al. Prostanoids in human colonic mucosa: effects of inflammation on PGE2 receptor expression. *Human Immunology* 61, 684-696 (2000).
- Nariko, K., Saukkonen, K., Ketola, I., et al. Regulated expression of prostaglandin E2 receptors EP2 and EP4 in human ovarian granulosa-luteal cells. *J. Clin. Endocrinol. Metab.* 86(4), 1765-1768 (2001).
- Coleman, R.A., Smith, W.L., and Narumiya, S. Classification of prostanoid receptors: Properties, distribution, and structure of the receptors and their subtypes. *Pharmacol. Rev.* 46, 205-229 (1994).

