



## Mouse anti-Acetyl Lysine IgG<sub>1</sub> (clone 7F8) conjugated to R-Phycoerythrin

Product Number D5-1762  
Lot Number RPE026-11-001  
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

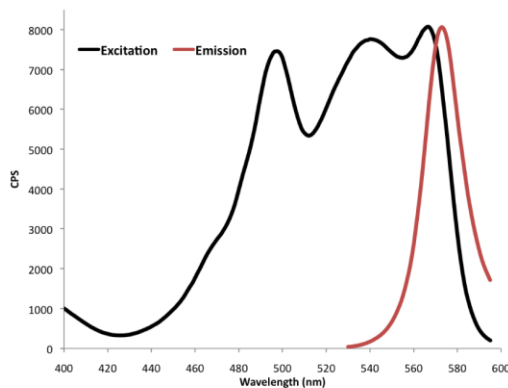
Acetylated KLH.

### Reactivity

Human, murine, rat, bovine, and avian acetyl lysine; pan-specific acetyl lysine; 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:

- Luo, J., Nikolaev, A.Y., Imai, S.-I., et al. Negative control of p53 by Sir2a promotes cell survival under stress. *Cell* 107,137-148 (2001).
- Loidl, P. Histone acetylation: Facts and questions. *Chromosoma* 103, 441-449 (1994).
- Cheung, W.L., Briggs, D.B., and Allis, C.D. Acetylation and chromosomal functions. *Curr. Opin. Cell Biol.* 12, 326-333 (2000).
- Marks, P.A. and Breslow, R. Dimethyl sulfoxide to vorinostat: Development of this histone deacetylase inhibitor as an anticancer drug. *Nature Biotechnology* 25(1), 84-90 (2007).
- Bolden, J.E., Peart, M.J., and Johnstone, R.W. Anticancer activities of histone deacetylase inhibitors. *Nature ReviewsDrug Discovery* 5, 769-784 (2006).

