

QUALITY CONTROL CERTIFICATE

Cat. No. PAB105P
Sheep Polyclonal Antibody to Bromodeoxyuridine-5 (BrdU)

Host Sheep

Immunogen Bromodeoxyuridine coupled to HGG (Human Gamma Globulin)

Purification Protein G purification followed by polishing chromatography against resin coupled to HGG

Lot Number

Concentration mg/mL 0.15 M PBS pH 7.6. No preservatives

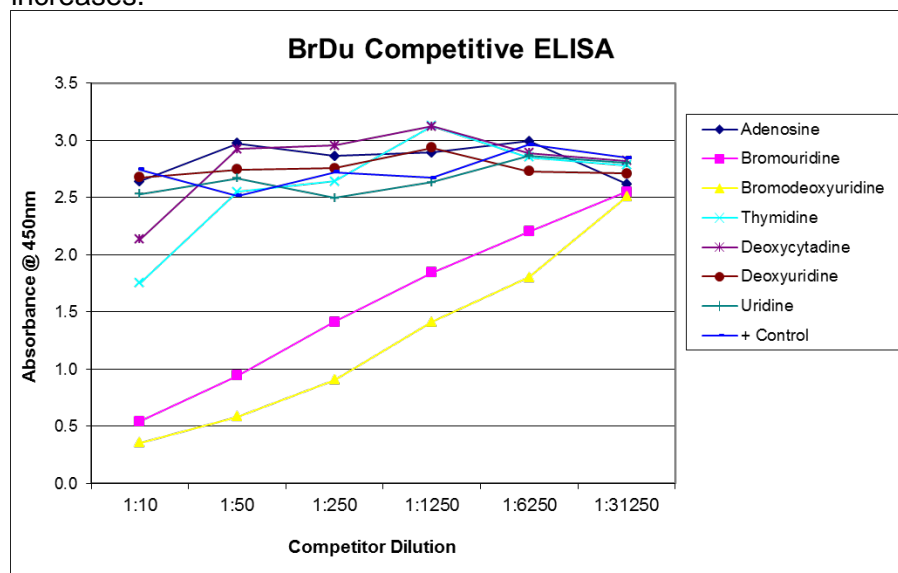
Quantity

Volume

Buffer 0.15 M PBS

Preservatives None

Assays The purified sheep anti-BrdU was assayed by competitive ELISA to demonstrate both specificity and sensitivity to BromodeoxyUridine. Purified antibody was incubated in solution with each of the following nucleotide inhibitors: Adenosine, Bromouridine, Bromodeoxyuridine, Thymidine, Deoxycytadine, and Uridine prior to incubation on plate coated with BrdU. The data below shows that antibody incubated with BrdU bound to the molecule in solution, and therefore shows lower signal at lower dilutions. As the sample is diluted, more of the antibody is available to bind the BrdU on the plate. The result is an increase in signal as titer increases.



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Applications ELISA, IHC

Storage 4°C, or aliquot into working volumes and store at –20°C

Expiration date

References

- 1) Dolbeare, Frank (1995) Bromodeoxyuridine: A diagnostic tool in biology and medicine, Part 1: Historical perspectives, histochemical methods and cell kinetics. *Histochemical Journal* 27, 339-369 (1995)
- 2) Harms, G. Van Goor, H. Koudstaal, J. de Ley, L. and Hardonk, M.J. (1986) Immunohistochemical demonstration of DNA-incorporated 5-bromodeoxyuridine in frozen and plastic embedded sections. *Histochemistry* (1986) 85, 139-143
- 3) Matsuura, Sachiko. Suzuki, Kazuo (1997) Immunohistochemical Analysis of DNA Synthesis during Chronic Stimulation with Isoproterenol in Mouse Submandibular Gland. *Journal of Histochemistry & Cytochemistry* Volume 45(8): 1137-1145, 1997

FOR RESEARCH AND *IN VITRO* USE ONLY

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