

References for Products 3080-3086

1. Xue HG, Yang CY, Ito H. (2004) The anterograde and retrograde axonal transport of biotinylated dextran amine and biocytin in the nervous system of teleosts. *Brain Res Brain Res Protoc*, 13, 106.
2. Morozov Y, Khalilov I, Ben-Ari Y, Represa A. (2002) Correlative fluorescence and electron microscopy of biocytin-filled neurons with a preservation of the postsynaptic ultrastructure. *J Neurosci Methods*, 117, 81.
3. Baur B, Suormala T, Baumgartner ER. (2002) Biocytin and biotin uptake into NB2a neuroblastoma and C6 astrocytoma cells. *Brain Res*, 925, 111.
4. Kumasaka K, Muratsugu M, Fukui T, Kimura M, Takagi Y, Hashizume N. (2001) A new quantitative analytical method of serum biotinidase activity using biocytin as a substrate and its clinical significance in Japan. *Clin Chim Acta*, 306, 71.
5. Chang SL, LoTurco JJ, Nisenbaum LK. (2000) In vitro biocytin injection into perinatal mouse brain: a method for tract tracing in developing tissue. *J Neurosci Methods*, 97, 1.
6. Baur B, Baumgartner ER. (2000) Biotin and biocytin uptake into cultured primary calf brain microvessel endothelial cells of the blood-brain barrier. *Brain Res*, 858, 348.
7. Nakamoto Y, Sakahara H, Saga T, Yao Z, Zhang M, Sato N, Zhao S, Arano Y, Ono M, Saji H, Konishi J. (1998) A radioiodinated biocytin derivative for in-vivo applications. *Nucl Med Commun*, 19, 963.
8. Erisir A, Aoki C. (1998) A method of combining biocytin tract-tracing with avidin-biotin-peroxidase complex immunocytochemistry for pre-embedding electron microscopic labeling in neonatal tissue. *J Neurosci Methods*, 81, 189.
9. Sun XJ, Tolbert LP, Hildebrand JG, Meinertzhagen IA. (1998) A rapid method for combined laser scanning confocal microscopic and electron microscopic visualization of biocytin or neurobiotin-labeled neurons. *J Histochem Cytochem*, 46, 263.
10. Scalia F, Galoyan SM, Eisner S, Harris E, Su W. (1997) Biotinylated dextran amine and biocytin hydrochloride are useful tracers for the study of retinal projections in the frog. *J Neurosci Methods*, 76, 167.
11. Hentz NG, Bachas LG. (1997) Fluorophore-linked assays for high-performance liquid chromatography postcolumn reaction detection of biotin and biocytin. *Methods Enzymol*, 279, 275.
12. Ladich F, Bass AH. (1996) Sonic/vocal-acousticolateralis pathways in teleost fishes: a transneuronal biocytin study in mochokid catfish. *J Comp Neurol*, 374, 493.
13. Pinault D. (1996) A novel single-cell staining procedure performed in vivo under electrophysiological control: morpho-functional features of juxtacellularly labeled thalamic cells and other central neurons with biocytin or Neurobiotin. *J Neurosci Methods*, 65, 113.
14. Hymes J, Fleischhauer K, Wolf B. (1995) Biotinylation of biotinidase following incubation with biocytin. *Clin Chim Acta*, 233, 39.
15. Sarrafzadeh R, Houk JC. (1994) Anatomical organization of the limb premotor network in the turtle (*Chrysemys picta*) revealed by in vitro transport of biocytin and neurobiotin. *J Comp Neurol*, 344, 137.
16. Przyjazny A, Hentz NG, Bachas LG. (1993) Sensitive and selective liquid chromatographic postcolumn reaction detection system for biotin and biocytin using a homogeneous fluorophore-linked assay. *J Chromatogr A*, 654, 79.
17. Liu WL, Behbehani MM, Shipley MT. (1993) Intracellular filling in fixed brain slices using Miniruby, a fluorescent biocytin compound. *Brain Res*, 608, 78.
18. Imai T, Aoki M. (1993) Tracing of corticospinal fibers by extracellular pressure-injection of biocytin into the motor cortex in rats. *Neurosci Res*, 16, 229.
19. Oizumi J, Hayakawa K. (1993) Biocytin synthetase activity in human milk as assessed by high-performance liquid chromatography. *J Chromatogr*, 612, 156.
20. Sarrafzadeh R, Keifer J, Houk JC. (1993) Anatomy of the turtle cerebellorubral circuit studied in vitro using neurobiotin and biocytin. *Neurosci Lett*, 149, 59.

21. Said HM, Thuy LP, Sweetman L, Schatzman B. (1993) Transport of the biotin dietary derivative biocytin (N-biotinyl-L-lysine) in rat small intestine. *Gastroenterology*, 104, 75.
22. McDonald AJ, Mascagni F, Riley YD, Neal RL, Brinley-Reed M. (1992) Biocytin injections produce selective neuronal labeling in the rat CNS. *Neuroreport*, 3, 337.
23. Kenan-Vaknin G, Katz H, Malach R. (1992) Golgi-like staining of visual cortex cells obtained by extracellular biocytin application in vitro. *Brain Res*, 571, 338.
24. Lachica EA, Mavity-Hudson JA, Casagrande VA. (1991) Morphological details of primate axons and dendrites revealed by extracellular injection of biocytin: an economic and reliable alternative to PHA-L. *Brain Res*, 564, 1.
25. Lapper SR, Bolam JP. (1991) The anterograde and retrograde transport of neurobiotin in the central nervous system of the rat: comparison with biocytin. *J Neurosci Methods*, 39, 163.
26. Vaney DI. (1991) Many diverse types of retinal neurons show tracer coupling when injected with biocytin or Neurobiotin. *Neurosci Lett*, 125, 187.
27. Kita H, Armstrong W. (1991) A biotin-containing compound N-(2-aminoethyl)biotinamide for intracellular labeling and neuronal tracing studies: comparison with biocytin. *J Neurosci Methods*, 37, 141.
28. Izzo PN. (1991) A note on the use of biocytin in anterograde tracing studies in the central nervous system: application at both light and electron microscopic level. *J Neurosci Methods*, 36, 155.
29. Leon-Del-Rio A, Velazquez A, Vizcaino G, Robles-Diaz G, Gonzalez-Noriega A. (1990) Association of pancreatic biotinidase activity and intestinal uptake of biotin and biocytin in hamster and rat. *Ann Nutr Metab*, 34, 266.
30. King MA, Louis PM, Hunter BE, Walker DW. (1989) Biocytin: a versatile anterograde neuroanatomical tract-tracing alternative. *Brain Res*, 497, 361.
31. Suormala TM, Baumgartner ER, Bausch J, Holick W, Wick H. (1988) Quantitative determination of biocytin in urine of patients with biotinidase deficiency using high-performance liquid chromatography (HPLC). *Clin Chim Acta*, 177, 253.
32. Horikawa K, Armstrong WE. (1988) A versatile means of intracellular labeling: injection of biocytin and its detection with avidin conjugates. *J Neurosci Methods*, 25, 1.
33. Rothenberg JM, Wilchek M. (1988) p-Diazobenzoyl-biocytin: a new biotinylating reagent for DNA. *Nucleic Acids Res*, 16, 7197.
34. Bayer EA, Ben-Hur H, Wilchek M. (1988) Biocytin hydrazide--a selective label for sialic acids, galactose, and other sugars in glycoconjugates using avidin-biotin technology. *Anal Biochem*, 170, 271.
35. Ohsugi M, Kawakubo J, Maruoka K, Inoue R. (1988) Microbial formation of biocytin. *J Nutr Sci Vitaminol (Tokyo)*, 34, 159.
36. Dakshinamurti K, Chauhan J, Ebrahim H. (1987) Intestinal absorption of biotin and biocytin in the rat. *Biosci Rep*, 7, 667.
37. Ebrahim H, Dakshinamurti K. (1987) Determination of biocytin. *Anal Biochem*, 162, 319.
38. Chan PW, Bartlett K. (1986) A new solid-phase assay for biotin and biocytin and its application to the study of patients with biotinidase deficiency. *Clin Chim Acta*, 159, 185.
39. Wilchek M, Ben-Hur H, Bayer EA. (1986) p-Diazobenzoyl biocytin--a new biotinylating reagent for the labeling of tyrosines and histidines in proteins. *Biochem Biophys Res Commun*, 138, 872.
40. Bayer EA, Zalis MG, Wilchek M. (1985) 3-(N-Maleimido-propionyl)biocytin: a versatile thiol-specific biotinylating reagent. *Anal Biochem*, 149, 529.
41. Weiner DL, Grier RE, Wolf B. (1985) A bioassay for determining biotinidase activity and for discriminating biocytin from biotin using holocarboxylase synthetase-deficient cultured fibroblasts. *J Inher Metab Dis*, 8 Suppl 2, 101.
42. Baumgartner ER, Suormala T, Wick H, Bausch J, Bonjour JP. (1985) Biotinidase deficiency associated with renal loss of biocytin and biotin. *Ann N Y Acad Sci*, 447, 272.
43. Bonjour JP, Bausch J, Suormala T, Baumgartner ER. (1984) Detection of biocytin in urine of children with congenital biotinidase deficiency. *Int J Vitam Nutr Res*, 54, 223.
44. Dakshinamurti K, Gillevet PM. (1979) Identification of biocytin. *Methods Enzymol*, 62, 398.

45. Bodanszky M, Fagan DT. (1977) Synthesis of biocytin-containing peptides. *J Am Chem Soc*, 99, 235.
46. Griesser R, Prijs B, Sigel H, Fory W, Wright LD, McCormick DB. (1970) Stability and structure of binary and ternary metal ion complexes with biocytin, the sulfoxide and sulfone, N-acetyl-L-lysine, and L-alanine. *Biochemistry*, 9, 3285.
47. Litvak S, Boeckx RL, Dakshinamurti K. (1969) Identification of biocytin in biotin proteins using high-voltage electrophoresis. *Anal Biochem*, 30, 470.
48. Cuatrecasas P, Wilchek M. (1968) Single-step purification of avidine from egg white by affinity chromatography on biocytin-Sepharose columns. *Biochem Biophys Res Commun*, 33, 235.
49. Allen SH, Jacobson BE, Stjernholm R. (1964) Biocytin as a Constituent of Methylmalonyl-Oxalacetic Transcarboxylase and Propionyl Coa Carboxylase of Bacterial Origin. *Arch Biochem Biophys*, 105, 494.
50. Wright LD, Driscoll CA, Boger WP. (1954) Biocytinase, an enzyme concerned with hydrolytic cleavage of biocytin. *Proc Soc Exp Biol Med*, 86, 335.
51. Wright LD, Shultz RC. (1952) Surface activities of biotin and biocytin. *Proc Soc Exp Biol Med*, 81, 242.
52. Wright LD, Cresson EL, Skeggs HR, Peck RL, Wolf DE, Wood TR, Valiant J, Folkers K. (1951) The elucidation of biocytin. *Science*, 114, 635.