

#9384 Store at -20°C

Cytokeratin Antibody Sampler Kit

1 Kit (6 x 20 microliters)



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TECHNOLOGY®

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For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Keratin 17 (D73C7) Rabbit mAb	4543	20 µl	48 kDa	Rabbit IgG
Keratin 8/18 (C51) Mouse mAb	4546	20 µl	46 Keratin 18. 55 Keratin 8. kDa	Mouse IgG1
Keratin 18 (DC10) Mouse mAb	4548	20 µl	46 kDa	Mouse IgG1
Keratin 19 (BA17) Mouse mAb	4558	20 µl	40 kDa	Mouse IgG1
Pan-Keratin (C11) Mouse mAb	4545	20 µl	46-58 kDa	Mouse IgG1
Keratin 7 (D1E4) XP® Rabbit mAb	4465	20 µl	52 kDa	Rabbit IgG
Anti-mouse IgG, HRP-linked Antibody	7076	100 µl		Horse
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

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Description

The Cytokeratin Antibody Sampler Kit provides an economical means to evaluate the presence and status of selected keratin proteins. The kit provides enough primary and secondary antibodies to perform two Western blot experiments per primary antibody.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Background

Keratins (cytokeratins) are intermediate filament proteins that are mainly expressed in epithelial cells. Keratin heterodimers composed of an acidic keratin (or type I keratin, keratins 9 to 23) and a basic keratin (or type II keratin, keratins 1 to 8) assemble to form filaments (1,2). Keratin isoforms demonstrate tissue- and differentiation-specific profiles that make them useful as research biomarkers (1). Research studies have shown that mutations in keratin genes are associated with skin disorders, liver and pancreatic diseases, and inflammatory intestinal diseases (3-6).

Background References

1. Moll, R. et al. (1982) *Cell* 31, 11-24.
2. Chang, L. and Goldman, R.D. (2004) *Nat Rev Mol Cell Biol* 5, 601-13.
3. Ramaekers, F.C. and Bosman, F.T. (2004) *J Pathol* 204, 351-4.
4. Lane, E.B. and McLean, W.H. (2004) *J Pathol* 204, 355-66.
5. Zatloukal, K. et al. (2004) *J Pathol* 204, 367-76.
6. Owens, D.W. and Lane, E.B. (2004) *J Pathol* 204, 377-85.

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