anti-Keratin K8/K18 mouse monoclonal, NCL-5D3, supernatant

Cat. No. 10502
Quantity 1 mL

Product description
Host mouse
Antibody Type monoclonal
Isotype IgG1
Clone NCL-5D3
Immunogen isolated from human breast cancer carcinoma cell line MCF-7
Purification hybridoma cell culture supernatant
Conjugate unconjugated
Formulation contains 0.1% sodium azide
Storage short term at 2 – 8 °C; long term storage in aliquots at - 20 °C; avoid freeze/ thaw cycles
Tested species reactivity human (negative with mouse and rat)

Applications
Tested applications
Immunocytochemistry (ICC)/ Immunofluorescence (IF) 1:5 - 1:10
Immunohistochemistry (IHC) - frozen 1:5 - 1:10
Immunohistochemistry (IHC) - paraffin 1:5 - 1:10 (protease treatment and/or microwave treatment recommended)
Western Blot (WB) assay dependent

Background
The antibody recognizes all simple epithelia including glandular epithelia. It does not react with stratified squamous epithelium. Useful for the differentiation between carcinomas and lymphomas. In immunoblotting (Western) NCL 5D3 is directed against the the 52.2 kD keratin K8 (originally reported also to 45 kD keratin K18; formerly also designated cytokeratins according to the Moll-catalogue). Epitope has been mapped to aa 353-367 on alpha helical rod domain of keratin K8 (Waseem et al., 2004)

Positive control: Glandular epithelium

Waseem A, Karsten U, Leigh IM, Purkis P, Waseem NH, Lane BE: Conformational changes in the rod domain of human keratin 8 following heterotypic association with keratin 18 and its implication for filament stability. Biochemistry 43,
Reference

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<th>Publication</th>
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Product Images

![Image 1](image1.png)
![Image 2](image2.png)
![Image 3](image3.png)
![Image 4](image4.png)