

Datasheet



Mouse mAb to **Keratins 5 and 8**
Clone **C-50**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with a cytoskeleton preparation of HeLa cells.
Fusion partner: Sp2/0.

Specifications

C-50 reacts with human keratins 5 (58 kDa) and 8 (52.5 kDa). Cytokeratin 5 is expressed by basal cells and suprabasal cells of stratified epithelium. Cytokeratin 8 is expressed by simple epithelial cells.

Species reactivity

Positive: cow, dog, ferret, hamster, human, mouse, pig, rat., sheep.
Negative: chicken, *Xenopus laevis*.

Applications

Demonstration of keratins 5 and 8 in a variety of species using IHC, IF or WB.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	Trypsin	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.
Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow Cytometry (1-2 µg/million cells in 0.1 ml, fix cells in 4% PFA for 10 min, at 4°C, permeabilize with 0,2% saponin or digitonin for 15 min, at 4°C).
- Immunoblotting (0.5-1 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires digestion of sections with trypsin at 1mg/ml PBS, 15 min at RT).

Positive control

Skin.

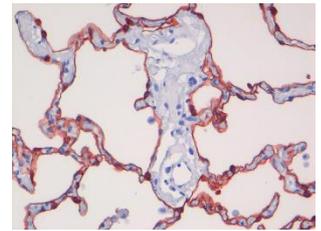


Figure 1: Human alveoli stained with C-50 (paraffin)

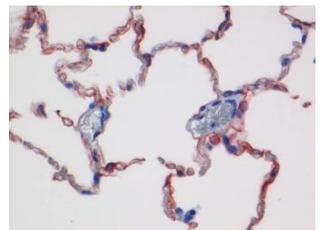


Figure 2: Ferret alveoli stained with C-50 (paraffin)

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References

- Vojtěšek et al. *Folia Biol.* **37(3-4)**: 197-206 (1991).
- Bártková et al. *Neoplasma* **38(4)**: 439-46 (1991).
- Bártek et al. *J. Pathol.* **164**: 215-24 (1991).
- Kovařík et al. *J. Tumor Marker Oncol.* **5**: 219 (1990).