

Datasheet



Mouse mAb to **Keratin 7+17**
Clone **C-46**
Isotype **IgG1-κ**

Source

A hybrid mouse (BALB/c x B6) was immunized with purified human keratin 7, isolated from HeLa cytoskeleton.
Fusion partner: P3-X63-Ag8.653.

Specifications

C-46 reacts with keratins 7 (54kDa) and 17 (46kDa). On formalin-fixed paraffin embedded sections C46 reacts with keratin 7 only. Strongly positive on most simple epithelia except for stomach, small intestine and colon mucosa, hepatocytes, pancreatic acini, renal tubules, also positive on some non-cornifying epithelia.

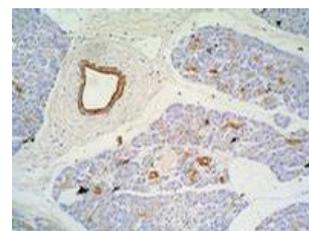


Figure 1: Human pancreas stained with C-46 (paraffin)

Species reactivity

Positive: cow, dog, human, pig, sheep.
Negative: ferret, mouse, rabbit, rat.

Applications

Demonstration of keratins 7 and 17 in a variety of species, using IHC, IF and WB.

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

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 (1-2 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (formalin-fixed: 1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires 0,1% pepsin digestion for 30 min. at 37° C).

Positive control

Relevant simple epithelia like ovary, lung, and breast.

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References

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- Kovařík et al. *Int. J. Cancer Suppl.* **3**: 50-55, (1988).
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