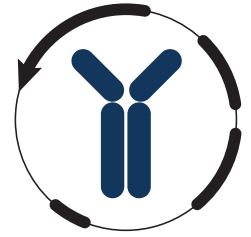


# Datasheet



Mouse mAb to **Keratin**  
**4,5,6,8,10,13,18**  
Clone **C-11**  
Isotype **IgG1-κ**

## Source

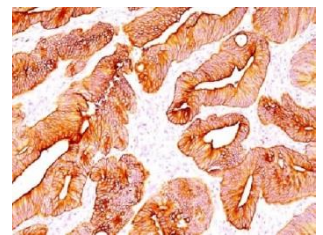
A BALB/c mouse was immunized with a cytoskeleton preparation of human A431 carcinoma cell line.  
Fusion partner: P3-X63-Ag8.653.

## Specifications

C11 reacts with keratins : 4,5,6,8,10,13 and 18. This is a broad-spectrum antibody, which has been reported to differentiate epithelial tumors from non-epithelial tumors. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

## Species reactivity

Positive: cat, chicken, cow, dog, ferret, goat, guinea pig, human, kangaroo, marmoset, monkey, mouse, rabbit, rat, *Xenopus laevis*.



**Figure 1:** Colon carcinoma stained with C11 (paraffin)

## Applications

Immunocytochemistry on frozen and paraffin sections. Immunofluorescence tests. Strong reaction in immunoblotting.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	Citrate/protease	+

## 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 (0.5-1.0 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 µg/ml for 2h at RT).
- Immunofluorescence (0.5-1 µg/ml).
- Immunohistology (formalin-fixed: 1-2 µg/ml for 30 min at RT; requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes or digestion of sections with trypsin at 1mg/ml PBS, 15 min at RT).

## Positive control

A431 cells, skin, lung.

# Datasheet



## References

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- Kovařík J. et al. *J. Tumor Marker Oncol.* **5**: 219 (1990).