



## PRODUCT DATA SHEET

**Product:** Anti-Keratin, pan mAb, clone 80

**Cat. No.:** MC-973 (1 mL)

**Specificity:**

In immunoblots most human keratins are recognized. Cross-reactivity not detectable with the following: neurofilament, vimentin, GFAP, desmin. The antibody stains in immunohistochemistry and immunofluorescence tests all types of keratin containing (that is epithelial) cells in frozen sections of various tissues, with the exception of myoepithelial cells. It also stain mouse and rat keratin. To obtain a positive result in paraffin embedded tissue a TUF pretreatment is recommended. This antibody has shown to be useful in Western blotting.

**Species Reactivity:**

Human, mouse and rat. Others not tested.

**Ig Isotype:**

Mouse IgG<sub>1</sub>

**Immunogen:**

Callus cytokeratins from fresh human skin tissue

**Format:**

1 mL supernatant with approximately 25 µg antibody/mL and 10 mM sodium azide with 1% FCS. Sufficient for 100-500 tests.

**Storage:**

Store antibody at 4°C until expiration date.

**Applications and Suggested Dilutions:**

- Immunofluorescence
- Immunohistochemistry: For frozen sections use at approximately 1:50. For paraffin-embedded tissue approximately 1:10. Dilution buffer PBS 1% BSA.
- Western blot: As positive control for Western blotting a preparation of human callus or keratinocytes.

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.