Mouse anti Keratin 14 Monoclonal Antibody

Alternative Name(s): CK-14; cytokeratin 14; KRT14

Order Information

- **Description:** Cytokeratin 14
- **Catalogue:** 606-500
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** LL002
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rat

ANTIGEN PREPARATION

A synthetic peptide corresponding to the C-terminus of CK14

BACKGROUND

Cytokeratin 14 is a member of the keratin family, the most diverse group of intermediate filaments. CK14 belongs to a type I keratin. It is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Cytokeratin 14 protein. It cross reacts to human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 50.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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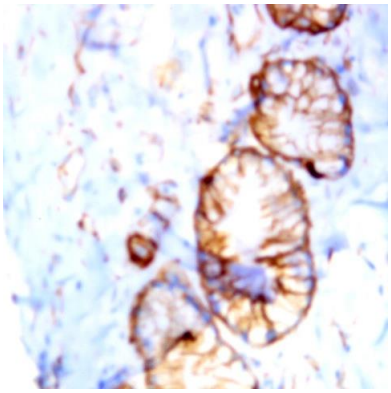
DATA ATTACHMENTS



Immunohistochemistry: Human breast carcinoma (FFPE) stained with Mouse anti-Cytokeratin-14 (Cat# 606-500) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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