

Monoclonal Antibody to Cytokeratin 4+5+6+8+10+13+18 - Purified

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| Alternate names: | Cytokeratin pan-reactive, Keratin type I cytoskeletal 1, Keratin type I cytoskeletal 10, Keratin type I cytoskeletal 18, Keratin type II cytoskeletal 4, Keratin type II cytoskeletal 5, Keratin type II cytoskeletal 6, Keratin type II cytoskeletal 8, pan Keratin |
| Catalog No.: | AM33313PU-S |
| Quantity: | 0.1 mg |
| Concentration: | 0.2 mg/ml |
| Host / Isotype: | Mouse / IgG1 |
| Recommended Isotype Controls: | SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N |
| Clone: | C11 |
| Immunogen: | Keratin-enriched preparation from cultured Human A431. |
| Format: | State: Liquid purified IgG fraction from Bioreactor Concentrate Purification: Protein A/G Chromatography Buffer System: 10mM PBS Preservatives: 0.05% Sodium Azide Stabilizers: 0.05% BSA |
| Applications: | Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunohistochemistry on Frozen and Formalin Fixed Paraffin Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: A431 cells, Skin, Colon carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Molecular Weight: | Multiple |
| Specificity: | This C11 Monoclonal Antibody recognizes Cytokeratin 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. Cellular Localization: Cytoplasmic. |
| Species Reactivity: | Tested: Human, Cow, Rat, Mouse, Guinea pig, Frog, Goat, Marmoset and Pig. |

Storage: Store undiluted at 2-8°C.
Shelf life: one year from despatch.

General Readings:

1. Bártek J, Vojtšek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, et al. A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. *J Pathol.* 1991 Jul;164(3):215-24. PubMed PMID: 1716305.
2. Lane EB, Alexander CM. Use of keratin antibodies in tumor diagnosis. *Semin Cancer Biol.* 1990 Jun;1(3):165-79. PubMed PMID: 1715788.
3. Bártková J, Bártek J, Lukás Z, Vojtšek B, Stasková Z, Bursová H, et al. Effects of tissue fixation conditions and protease pretreatment on immunohistochemical performance of a large series of new anti-keratin monoclonal antibodies: value in oncopathology. *Neoplasma.* 1991;38(4):439-46. PubMed PMID: 1717857.
4. Kasper M. Heterogeneity in the immunolocalization of cytokeratin specific monoclonal antibodies in the rat eye: evaluation of unusual epithelial tissue entities. *Histochemistry.* 1991;95(6):613-20. PubMed PMID: 1713203.

Pictures: Formalin-Paraffin colon (10X) stained with Multi Keratin Antibody Cat.-No AM33313PU (Clone C11).

