

**AM33313PU-T****Monoclonal Antibody to Cytokeratin 4+5+6+8+10+13+18 - Purified**

<b>Alternate names:</b>	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
<b>Quantity:</b>	20 µg
<b>Concentration:</b>	0.2 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
<b>Clone:</b>	C11
<b>Immunogen:</b>	Keratin-enriched preparation from cultured Human A431.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction from Bioreactor Concentrate <b>Purification:</b> Protein A/G Chromatography <b>Buffer System:</b> 10mM PBS <b>Preservatives:</b> 0.05% Sodium Azide <b>Stabilizers:</b> 0.05% BSA
<b>Applications:</b>	<b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunohistochemistry on Frozen and Formalin Fixed Paraffin Sections:</b> 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. <b>Positive Control:</b> A431 cells, Skin, Colon carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	Multiple
<b>Specificity:</b>	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. <b>Cellular Localization:</b> Cytoplasmic.
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Cow, Rat, Mouse, Guinea pig, Frog, Goat, Marmoset and Pig.
<b>Storage:</b>	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).

