OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM10031PU-N

pan Cytokeratin Mouse Monoclonal Antibody [Clone ID: cocktail]

Product data:

Product Type:	Primary Antibodies
Clone Name:	cocktail
Applications:	IF, IHC
Recommended Dilution:	**Immunohistochemistry.** **Immunocytochemistry** (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears). For IHC dilute concentared antibody at 1/50-1/100, use streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature. FFPE tissue section requires antigen retrieval (boiling tissue in 10 mM citrate, pH 6.0 for 10-15 minutes followed by cooling for 10-15 minutes). **Immunofluorescence.** ***Recommended Positive Control*:** Human skin, lung, colon, prostate, or any GI tissue or cancer tissue's.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human epidermal keratin.
Specificity:	This antibody recognizes cytokeratins CK1 (67), CK2 (65.5), CK3 (64), CK4 (59) CK5 (58), CK6 (56), CK8 (52.5), CK10 (56.5), CK13 (54) CK14 (50), CK15 (50), CK16 (48), CK18 (45), CK 19 (40). ***Cellular Localization:*** Cytoplasmic.
Formulation:	PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.

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Background: Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1(67), CK2(65.5), CK3(64), CK4(59), CK5(58), CK6(56), CK7(54), CK8(52.5) and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10 (56.5), CK12 (56), CK13 (53), CK14 (50), CK16 (48), CK17 (46), CK18 (45), CK19 (48) and CK20 (46).

Synonyms: pan Keratin, Cytokeratin pan-reactive