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Product datasheet for AM10031FC-N

pan Cytokeratin Mouse Monoclonal Antibody [Clone ID: cocktail]

Product data:

Product Type:	Primary Antibodies
Clone Name:	cocktail
Applications:	FC, IF
Recommended Dilution:	**Immunofluorescence:** 10-20 µg/ml (1/10-1/20), incubate for 2 hours in the dark at RT or it can also be incubated overnight at 4°C. **Flow Cytometry:** 0.2-1.0 µg/0.1 ml (1/200-1/1,000) (Not tested in our lab).
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. Label: FITC State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. 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