

Product datasheet for **AM10030PU-S**

basic Cytokeratin Mouse Monoclonal Antibody [Clone ID: AE3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AE3
Applications:	IF, IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears) For IHC dilute concentrated 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 Ca.
Reactivity:	Bovine, Chicken, Human, Monkey, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human epidermal keratin.
Specificity:	This antibody reacts with CK1(67), CK2(65.5), CK3(64), CK4(59), CK5(58) CK6(56) and CK8 (52.5). 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
Purification:	Protein A Chromatography.
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).