

Product datasheet for **AM10029PU-S**

acidic Cytokeratin Mouse Monoclonal Antibody [Clone ID: AE1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AE1
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). Recommended Positive Control: Human skin, squamous cell Ca.
Reactivity:	Bovine, Chicken, Human, Monkey, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human epithelial keratin.
Specificity:	This antibody recognizes low molecular weight cytokeratins (CK 10 (56.5), CK14 (50), CK15 (50), CK16 (48) and CK19(40) of the acidic family. Cellular Localization: Cytoplasmic.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction Stabilizer: 1% BSA Preservative: 0.05% Sodium Azide
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, CK2, CK3, CK4, CK5, CK6, CK7, CK8 and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10, CK12, CK 13, CK14, CK16, CK17, CK18, CK19 and CK20.

Synonyms:

Cytokeratin type I, Keratin type I, LMW Cytokeratins