

AM10027PU-S**Monoclonal Antibody to Cytokeratin 8 (+ KRT18) - Purified**

Alternate names:	CK8, CYK8, Cytokeratin endo A, Cytokeratin-8, K8, KRT8, Keratin, Keratin-8, type II cytoskeletal 8
Quantity:	0.5 ml
Concentration:	0.2 mg/ml
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.
Uniprot ID:	P05787
NCBI:	NP_002264
GeneID:	3856
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	CK207
Immunogen:	Purified keratins. Remarks: Molecular weight of antigen: CK8 is 52.5 kDa and CK18 is 45 kDa.
Format:	State: Liquid purified Ig fraction. Purification: Protein A Chromatography. Buffer System: PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative.
Applications:	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. Recommended Positive Control: Human breast, any GI tissue or skin. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

- Specificity:** This antibody recognizes all simple epithelia and glandular (thyroid, breast, GI tract, respiratory tract, urinary tract).
Most squamous carcinomas and all adenocarcinomas are stained by this antibody and keratinizing squamous carcinomas are mostly negative.
Cellular Localization: Cytoplasmic.
Species: Human.
Other species not tested.
- Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.
- General Readings:**
1. Moll, R et al Cell, 31: 11-24, (1982).
 2. Angus B et. al. J Path., 155: 71-75, 1988.