

Product datasheet for **AM10024PU-S**

Cytokeratin 10 (KRT10) (+KRT13) Mouse Monoclonal Antibody [Clone ID: CK208]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CK208
Applications:	IF, IHC
Recommended Dilution:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen tissue sections only or 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.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Cytokeratin extraction from human ectocervical epithelium.
Specificity:	This antibody recognises Cytokeratin 10+13 (CK10+13). It reacts with 53 kDa and 56.6 kDa cytoke­ratin (CK) proteins by Western blot. With frozen sections, this antibody serves as a differentiation related marker for all stratified epithelia and stains all suprabasal cell in both cornifying and non-cornifying stratified epithelia and more differentiated cells of squamous carcinomas. 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 the antibody 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.
Gene Name:	keratin 10



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Database Link: [Entrez Gene 3858 Human P13645](#)

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, CK13, CK14, CK16, CK17, CK18, CK19 and CK20. Recently Silveira et. al. (3) have reported that in tongue squamous cell carcinoma the expression of CK 10 was significantly correlated with the presence of metasis.

Synonyms: Cytokeratin-10, CK10, CK-10, Keratin-10, KRT10, KPP, K10