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Product datasheet for AM50255PU-S

Cytokeratin 10 (KRT10) Mouse Monoclonal Antibody [Clone ID: LH2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LH2
Applications:	IF, IHC, IP, WB
Recommended Dilution:	**ELISA:** Use BSA free Antibody for coating **Flow Cytometry:** 0.5-1 µg/million cells. **Immunofluorescence:** 0.5-1 µg/ml. **Western Blotting:** 0.25-0.5 µg/ml. **Immunoprecipitation:** 0.5-1 µg/500 µg protein lysate. **Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:** 1/200-1/400 for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes. ***Positive Control***: A431, HeLa, MCF7 cells or Esophagus.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Skin extract of a Human Psoriasis patient.
Specificity:	This Monoclonal Antibody recognizes a protein of 56.5kDa, identified as Cytokeratin 10 (CK10). ***Cellular Localization***: Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated

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Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	56.5 kDa
Gene Name:	keratin 10
Database Link:	Entrez Gene 3858 Human P13645
Background:	CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.
Synonyms:	Cytokeratin-10, CK10, CK-10, Keratin-10, KRT10, KPP, K10