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36-2653: Anti-Cytokeratin 6A (KRT6A) (Basal Cell Marker) Monoclonal Antibody(Clone: KRT6A/2368)

Clonality :	Monoclonal
Clone Name :	KRT6A/2368
Application :	FACS,IHC
Reactivity :	Human
Gene :	KRT6A
Gene ID :	3853
Uniprot ID :	P02538
Alternative Name :	58kDa Cytokeratin; CK5; Cytokeratin-5; DDD1; Epidermolysis Bullosa Simplex 2 (EBS2); Keratin 5; Keratin, Type II Cytoskeletal 5; Keratin-5; KRT5; Type-II Cytoskeletal 5; Type-II keratin Kb5
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Recombinant full-length human Cytokeratin 6A (KRT6A) protein

Description

This MAb recognizes a protein of 56kDa, identified as cytokeratin 6A (KRT6A). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns. Cytokeratin 6A is the dominant form in epithelial tissue. Cytokeratin 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Cytokeratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative situations. Epidermal injury results in activation of keratinocytes, which express KRT6 and KRT16. KRT6 is strongly expressed in about 75% of head and neck squamous cell carcinomas..

Product Info

Amount :	20 μg / 100 μg
Content :	200 μg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 & degC followed by cooling at RT for 20 minutes),



Fig. 1: Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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EITC-A

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Fig. 2: Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).

Fig. 3: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).



Fig. 5: Flow Cytometric Analysis of HeLa cells using KRT6A Mouse Monoclonal Antibody (KRT6A/2368) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

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Fig. 6: Analysis of Protein Array containing more than 19,000 full-length human proteins using Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z- scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.