Cytokeratin 6 (Basal Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone SPM269]

Catalog No	Format	Size
3853-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3853-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3853-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

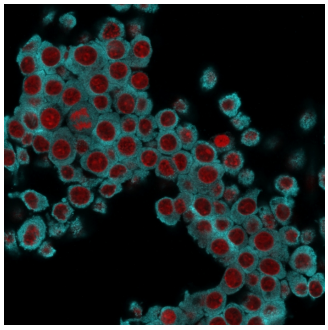
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

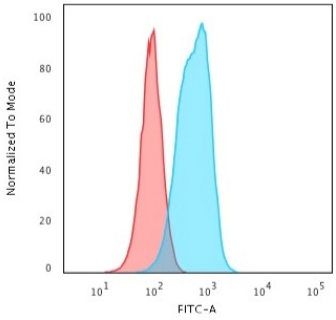
Clone	SPM269
Gene Name	KRT6A
Immunogen	A synthetic peptide of 11 amino acids (GSSTIKYTTTS) from C-terminus of human keratin 6
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	56kDa
Species Reactivity	Human, Mouse
Positive Control	HeLa, RAW, Suprabasal cells of the outer hair follicle root sheath in skin. Basal cell carcinoma.

**Optimal dilution for a specific application should be determined.*

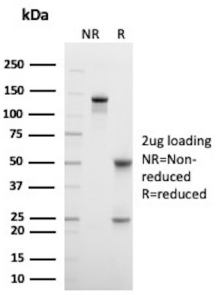
Product Images for Cytokeratin 6 (Basal Cell Marker) Antibody



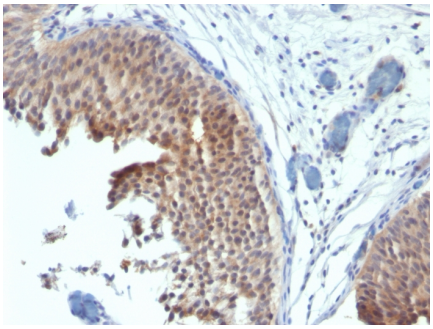
Immunofluorescence Analysis of RAW cells labeling KRT6 with KRT6 Mouse Monoclonal Antibody (SPM269) followed by Goat anti-Mouse IgG-CF488 (Cyan). The nuclear counterstain is Reddot (Red).



Flow Cytometric Analysis of RAW cells using Cytokeratin 6 Mouse Monoclonal Antibody (SPM269) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



SDS-PAGE Analysis of Purified KRT6 Mouse Monoclonal Antibody (SPM269). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 6 Mouse Monoclonal Antibody (SPM269).

Specificity & Comments

This MAb recognizes a protein of 56kDa, identified as cytokeratin 6 (CK6). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns, and Cytokeratin 6A is the dominant form in epithelial tissue. The gene encoding human Cytokeratin 6A maps to chromosome 12q13, and mutations in this gene are linked to several inheritable hair and skin pathologies. Keratins 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Keratin 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 CK6 and CK16. CK6 is strongly expressed in about 75% of head and neck squamous cell carcinomas. Expression of CK6 is particularly associated with differentiation.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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