

Cytokeratin 10 (Suprabasal Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone KRT10/3861]

Catalog No	Format	Size
3858-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3858-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3858-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
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

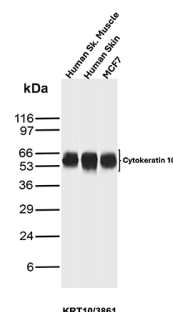
Clone	KRT10/3861
Gene Name	KRT10
Immunogen	Recombinant full-length human KRT10 protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	56.5kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Human esophagus or tonsil.

*Optimal dilution for a specific application should be determined.

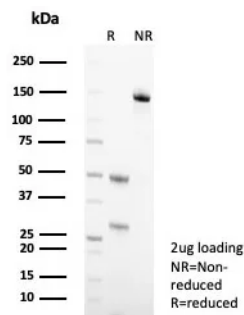
Product Images for Cytokeratin 10 (Suprabasal Epithelial Marker) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteins using Keratin 10 Mouse Monoclonal Antibody (KRT10/3861). 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 HuProt™ 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 HuProt™ 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.



Western blot analysis of human skeletal muscle and skin tissue lysates and MCF-7 cell lysates using KRT10 Mouse Monoclonal Antibody (KRT10/3861).



SDS-PAGE Analysis of Purified Keratin 10 Mouse Monoclonal Antibody(KRT10/3861).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). 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.

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.

Research Areas

Developmental Biology

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.