Cytokeratin 15 (Esophageal Squamous Cell Carcinoma Marker) Antibody

Mouse Monoclonal Antibody [Clone KRT15/2958]

Catalog No	Format	Size
3866-MSM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3866-MSM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3866-MSM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

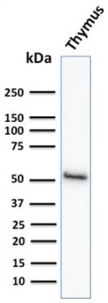
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

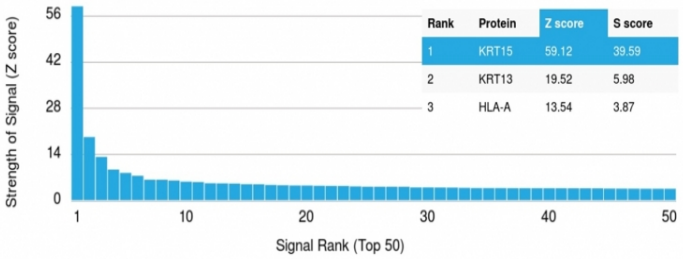
Clone	KRT15/2958
Gene Name	KRT15
Immunogen	Recombinant full-length human KRT15 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	52kDa
Species Reactivity	Human
Positive Control	A431 cells. Skin, Colon or Prostate., Thymus

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

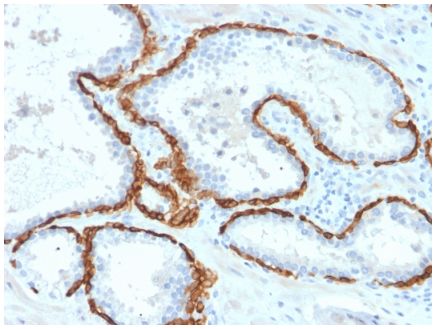
Product Images for Cytokeratin 15 (Esophageal Squamous Cell Carcinoma Marker) Antibody



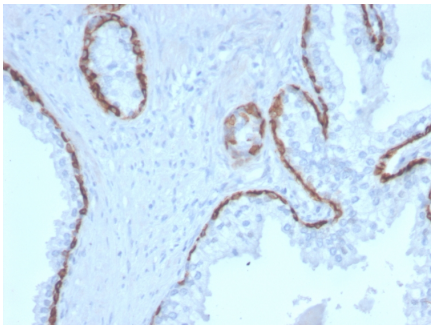
Western Blot Analysis of human Thymus tissue lysate using Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2958)



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2958). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2958).



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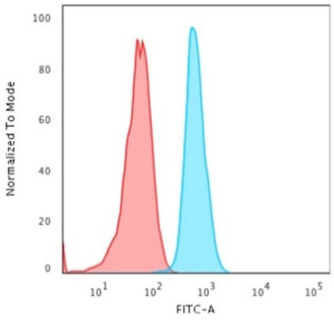

Flow Cytometric Analysis of PFA-fixed HeLa cells. Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2958) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Specificity & Comments

Keratin 15 is a type I keratin which is expressed only in basal keratinocytes in stratified epithelia and does not appear to have a natural type II expression partner. Keratin 15 is down regulated in activated keratinocytes. Cytokeratin 15 is a specific marker of stem cells of the hair-follicle bulge and may be a useful marker for diagnosis between basal cell carcinoma (BCC) and trichoepithelioma. Trichoblastoma are benign neoplasms of follicular differentiation frequently found in nevus sebaceous. Many morphologic features are shared with nodular basal cell carcinoma, sometimes rendering a diagnosis difficult. Trichoblastoma and BCC show variable expression of Cytokeratin 15 and Cytokeratin 19, and absence of hair keratins.

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, Basal Cell Marker

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.