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anti-KRT15 antibody





#### Overview

Quantity:	100 μg
Target:	KRT15
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT15 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Staining Methods (StM)

#### **Product Details**

Immunogen:	Recombinant full-length human KRT15 protein
Clone:	KRT15-2958
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

# **Target Details**

Target:	KRT15
Alternative Name:	KRT15 (KRT15 Products)
Background:	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

#### **Target Details**

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.

Molecular Weight:	52kDa
Gene ID:	3866

## **Application Details**

UniProt:

Application Notes: Positive Control: A431 cells. Skin, Thymus, Colon or Prostate.

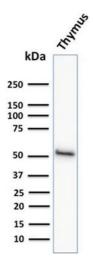
P19012

Known Application: Flow Cytometry (0.5-1  $\mu$ g/million cells), Western Blot (1-2  $\mu$ g/mL), Immunohistochemistry (Formalin-fixed) (1-2  $\mu$ g/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

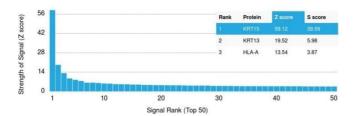
## Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



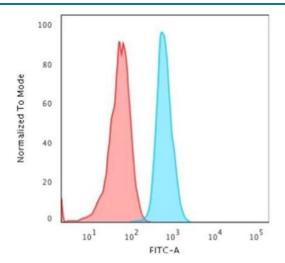
#### **Western Blotting**

**Image 1.** Western Blot Analysis of human Thymus tissue lysate using Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2958)



#### **Protein Array**

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using 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) 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. Sscore 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.



## **Flow Cytometry**

**Image 3.** 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).

Please check the product details page for more images. Overall 5 images are available for ABIN6939914.