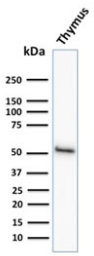
Keratin 15 Antibody / Cytokeratin 15 [clone KRT15/2958] (V7920)

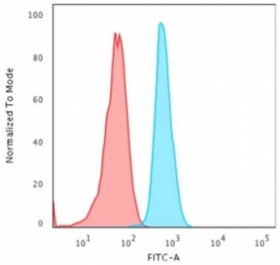
Catalog No.	Formulation	Size
V7920-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7920-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7920SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

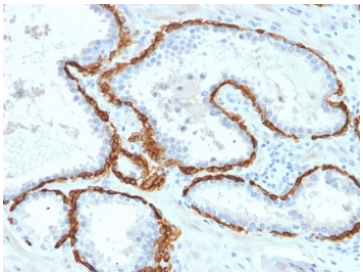
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	KRT15/2958
Purity	Protein G affinity chromatography
UniProt	P19012
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Keratin 15 antibody is available for research use only.



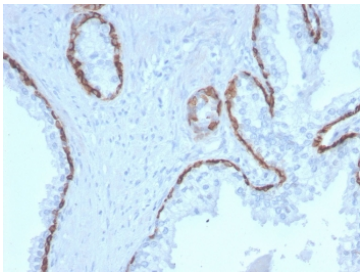
Western blot testing of human thymus tissue lysate with Keratin 15 antibody (clone KRT15/2958). Expected molecular weight ~50 kDa.



Flow cytometry testing of PFA-fixed human HeLa cells with Keratin 15 antibody (clone KRT15/2958); Red=isotype control, Blue= Keratin 15 antibody.



IHC staining of FFPE human prostate carcinoma with Keratin 15 antibody (clone KRT15/2958). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



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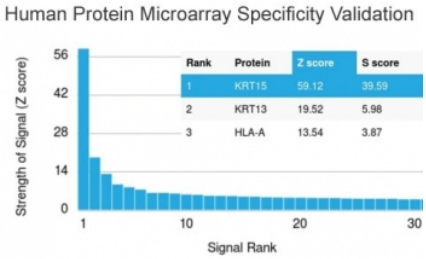

Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Keratin 15 antibody (clone KRT15/2958). These results demonstrate the foremost specificity of the KRT15/2958 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

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.

Application Notes

Optimal dilution of the Keratin 15 antibody should be determined by the researcher.

Immunogen

Recombinant human KRT15 protein was used as the immunogen for the CK15 antibody.

Storage

Store the Keratin 15 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).