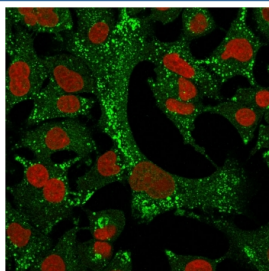


Cytokeratin 4 Antibody / KRT4 [clone KRT4/2804] (V7910)

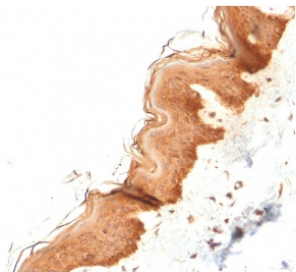
Catalog No.	Formulation	Size
V7910-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7910-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7910SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

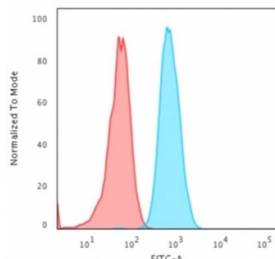
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KRT4/2804
Purity	Protein G affinity chromatography
UniProt	P19013
Localization	Cell membrane, cytoplasm, nucleus
Applications	Flow Cytometry : 1-2ug/million cells in 0.1ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Cytokeratin 4 antibody is available for research use only.



Immunofluorescent staining of permeabilized human A549 cells with Cytokeratin 4 antibody (clone KRT4/2804, green) and Reddot nuclear stain (red).

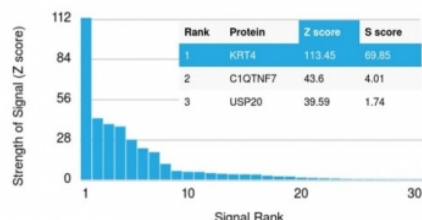


IHC staining of FFPE human skin with CytoKeratin 4 antibody (clone KRT4/2804). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of permeabilized human HeLa cells with CytoKeratin 4 antibody (clone KRT4/2804); Red=isotype control, Blue= CytoKeratin 4 antibody.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CytoKeratin 4 antibody (clone KRT4/2804). These results demonstrate the foremost specificity of the KRT4/2804 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

CytoKeratin 4 (KRT4) is an intermediate filament protein associated with CytoKeratin 13 (KRT13). It is expressed in suprabasal cells of non-keratinized stratified squamous epithelium of esophagus, cornea, anus, larynx, pharynx and tongue. Decreased expression of KRT4 is associated with head and neck squamous carcinoma. It is helpful in differentiation of squamous cell carcinoma of esophagus origin from that of thyroid origin.

Application Notes

Optimal dilution of the CytoKeratin 4 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 181-292) was used as the immunogen for this CytoKeratin 4 antibody.

Storage

Store the CytoKeratin 4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

