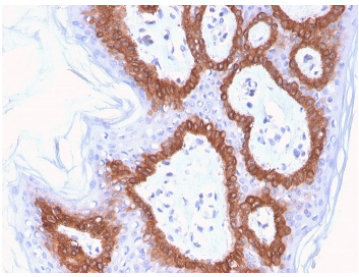
Biotinylated Cytokeratin 14 Antibody LL002 [clone LL002] (V2175BTN)

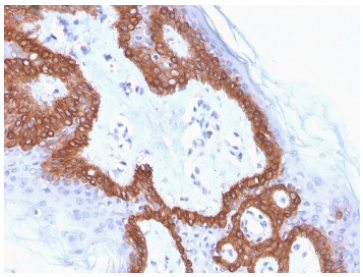
Catalog No.	Formulation	Size
V2175BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

Bulk quote request

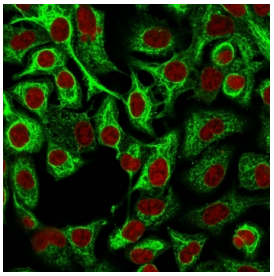
Species Reactivity	Human, Mouse and Rat
Format	Biotin Conjugate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG3, kappa
Clone Name	LL002
Purity	Protein G affinity chromatography
UniProt	P02533
Localization	Cytoplasmic
Applications	Flow cytometry: 2-4ug/million cells Immunofluorescence: 2-4ug/ml Immunohistochemistry (FFPE): 2-4ug/ml for 30 minutes at RT Western blot: 2-4ug/ml
Limitations	This Biotinylated Cytokeratin 14 Antibody LL002 is available for research use only.



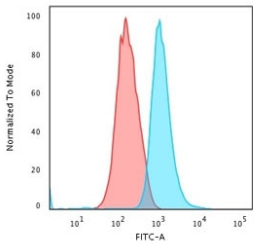
IHC staining of FFPE human skin with Cytokeratin 14 antibody (clone LL002). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human skin with Cytokeratin 14 antibody (clone LL002). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of human A549 cells with unlabeled Cytokeratin 14 antibody (clone LL002, green) and Reddot nuclear stain (red).



Flow cytometry staining of methanol-fixed human HeLa cells with unlabeled Cytokeratin 14 antibody; Red=isotype control, Blue= Cytokeratin 14 antibody.

Description

Cytokeratin 14 (CK14) belongs to the type I (or A or acidic) subfamily of low molecular weight keratins and exists in combination with keratin 5 (type II or B or basic). CK14 is found in basal cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells. Anti-CK14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. Anti-CK14 is one of the specific basal markers for distinguishing between basal and non-basal subtypes of breast carcinomas. Anti-CK14 is also a good marker for differentiation of intraductal from invasive salivary duct carcinoma by the positive staining of basal cells surrounding the in-situ neoplasm as well as for differentiation of benign prostate from prostate carcinoma. Furthermore, this antibody has been useful in separating oncocytic tumors of the kidney from its renal mimics, and in identifying metaplastic carcinomas of the breast.

Explore our KRT14 Antibody KRT14/4128 for investigating cytokeratin 14 expression, basal epithelial differentiation, and intermediate filament organization in normal and diseased tissues.

Application Notes

Optimal dilution of the Biotinylated Cytokeratin 14 Antibody LL002 should be determined by the researcher.

Immunogen

A synthetic peptide of 15 amino acid from the C-terminus of the human protein was used as the immunogen for the Cytokeratin 14 antibody.

Storage

Store the Biotinylated Cytokeratin 14 Antibody LL002 at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).

Alternate Names

Cytokeratin 14 antibody, CK14 antibody, KRT14 antibody, Cytokeratin-14 antibody, Keratin-14 antibody, Type I Cytoskeletal Keratin 14 antibody

Copyright © NSJ Bioreagents. All rights reserved.