Datasheet for ABIN6939908

anti-KRT14 antibody (AA 351-472)

5 Images

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Overview

Quantity:	100 µg
Target:	KRT14
Binding Specificity:	AA 351-472
Reactivity:	Human, Rat, Mouse, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT14 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human KRT14 fragment (around aa351-472) (exact sequence is proprietary)
Clone:	KRT14-2375
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	KRT14
Alternative Name:	KRT14 (KRT14 Products)
Background:	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

Target Details

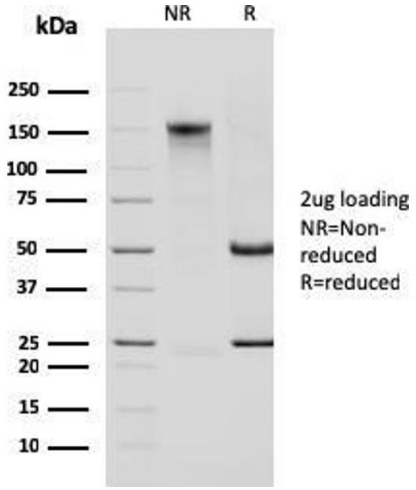
	cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells. Anti-CK14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. Anti-CK14 is one of the specific basal markers for distinguishing between basal and non-basal subtypes 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.
Molecular Weight:	50kDa
Gene ID:	3861
UniProt:	P02533

Application Details

Application Notes:	Positive Control: A431 or HeLa cells. Skin or Squamous Cell Carcinoma. Known Application: Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (1-2 µg/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

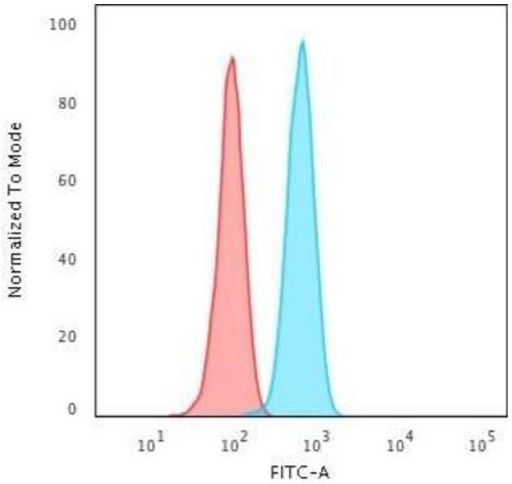
Handling

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



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Cytokeratin 14 Mouse Monoclonal Antibody (KRT14/2375). Confirmation of Purity and Integrity of Antibody.



Flow Cytometry

Image 2. Flow Cytometric Analysis of HeLa cells using Cytokeratin 14 Mouse Monoclonal Antibody ((KRT14/2375) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 14 Mouse Monoclonal Antibody (KRT14/2375).

Please check the product details page for more images. Overall 5 images are available for ABIN6939908.