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anti-Cytokeratin 7 antibody





Overview

Quantity:	100 μg
Target:	Cytokeratin 7 (KRT7)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 7 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human KRT7 protein	
Clone:	KRT7-903	
Isotype:	IgG1 kappa	
No Cross-Reactivity:	Ferret, Mouse (Murine), Rabbit, Rat (Rattus)	
Purification:	Purified by Protein A/G	

Target Details

Target:	Cytokeratin 7 (KRT7)
Alternative Name:	KRT7 (KRT7 Products)
Background:	Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia

Target Details

	but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. Antibody to cytokeratin is useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).
Molecular Weight:	54kDa
Gene ID:	3855
UniProt:	P08729

Application Details

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Positive Control: A431, HeLa cells, Breast cancer.

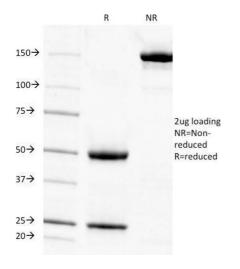
Known Application: Flow Cytometry (1-2 μ g/million cells),Immunofluorescence (1-2 μ g/mL), Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris Buffer with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions:

For Research Use only

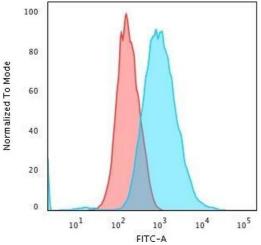
Handling

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



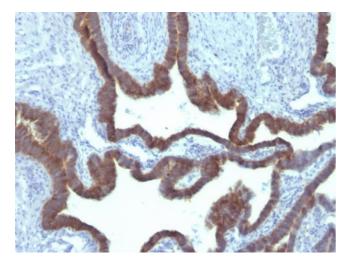
Western Blotting

Image 1. Purified Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/903). Confirmation of Integrity and Purity of Antibody.



Flow Cytometry

Image 2. Flow Cytometric Analysis of trypsinized methanol-fixed HeLa cells using Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/903) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Cytokeratin 7 Mouse Monoclonal Antibody (KRT7/903)

Please check the product details page for more images. Overall 4 images are available for ABIN6939874.