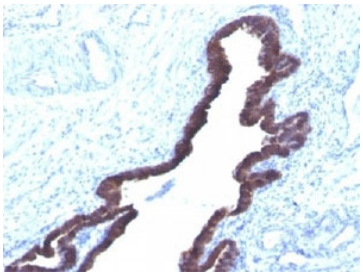
Cytokeratin 8/18 Antibody Cocktail [clone K8.8 + DC10] (V2325)

Catalog No.	Formulation	Size
V2325-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2325-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2325SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2325IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

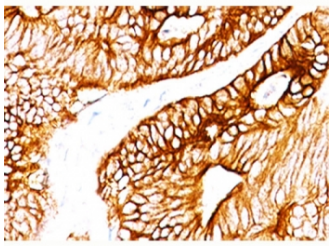
Citations (7)

Bulk quote request

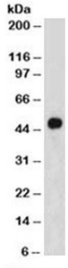
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	K8.8 + DC10
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3856
Localization	Cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **Cytokeratin 8/18 antibody** is available for research use only.



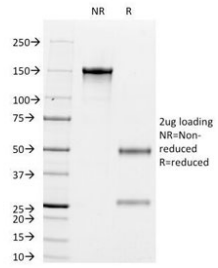
IHC staining of FFPE human ovarian cancer with Cytokeratin 8/18 antibody (K8.8 + DC10).



IHC staining of FFPE human colon carcinoma with Cytokeratin 8/18 antibody (K8.8 + DC10).



Western blot testing of HeLa cell lysate using Cytokeratin 8/18 antibody cocktail at 1ug/ml. Observed molecualr weight: 46~50 kDa.



SDS-PAGE Analysis of Purified, BSA-Free Cytokeratin 8/18 Antibody Cocktail (clones K8.8 + DC10). Confirmation of Integrity and Purity of the Antibody.

Description

Cytokeratins are a group of proteins expressed in pairs in keratinized and non-keratinized epithelial tissue. Cytokeratin 8 (CK8) belongs to the type II (or B or basic) subfamily of high molecular weight cytokeratins and exists in combination with cytokeratin 18 (CK18). The pair are normally seen in simple but not stratified epithelial cells. This antibody cocktail recognizes all simple epithelia including glandular epithelium, for example thyroid, female breast, gastrointestinal tract, respiratory tract, and urogenital tract including transitional epithelium. All adenocarcinomas and most squamous carcinomas are positive but keratinizing squamous carcinomas are usually negative. Immunohistochemical staining with this antibody cocktail is indistinguishable from that obtained with monoclonal antibody 5D3.

Application Notes

Differences in protocols and secondaries may require the Cytokeratin 8/18 antibody to be titered for optimal performance.

1. FFPE staining requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A keratin preparation from a human carcinoma (K8.8) and PMC-42 human breast carcinoma cells (DC10) were used as the immunogen for this Cytokeratin 8/18 antibody cocktail.

Storage

Store the Cytokeratin 8/18 antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (2)