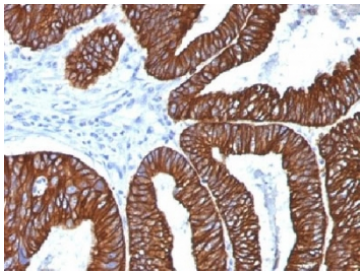
Cytokeratin 8/18 Antibody [clone 5D3] (V3316)

Catalog No.	Formulation	Size
V3316-0.5ML	Bioreactor concentrate with 0.05% sodium azide	0.5 ml
V3316-0.1ML	Bioreactor concentrate with 0.05% sodium azide	0.1 ml

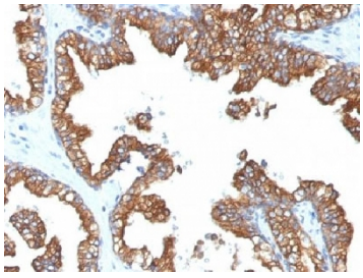
Citations (20)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Bioreactor concentrate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	5D3
UniProt	P05787, P05783
Localization	Cytoplasmic
Applications	Flow Cytometry : 2-5ul/10^6 cells Immunofluorescence : 1:100-1:200 Immunohistochemistry (FFPE) : 1:50-1:100 for 30 min at RT
Limitations	This Cytokeratin 8/18 antibody is available for research use only.



IHC analysis of FFPE human colon carcinoma with Cytokeratin 8/18 antibody (clone 5D3). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



IHC analysis of FFPE human prostate carcinoma with Cytokeratin 8/18 antibody (clone 5D3). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

Description

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). This mAb 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. This antibody is useful in demonstrating the presence of Paget cells; there is very little keratin 18 in the normal epidermis so only Paget cells are stained.

Application Notes

Optimal dilution of the Cytokeratin 8/18 antibody should be determined by the researcher.

Immunogen

A cytoskeleton preparation from human breast cancer MCF-7 cells was used as the immunogen for the Cytokeratin 8/18 antibody.

Storage

Store the Cytokeratin 8/18 antibody at 2-8oC.