

Mouse anti-Human Cytokeratin 8/18 Monoclonal Antibody | anti-CK8/CK18 antibody

Cytokeratin 8/18

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215334	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

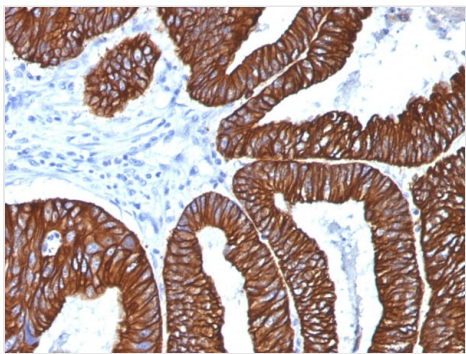
PRODUCT SYNONYMS

Cytokeratin 8/18; Monoclonal Antibody; CARD2; CK8; CYK8; CYKER; Cytokeratin Endo A; DreK8; EndoA; K2C8; K8; Keratin 8; Krt 2.8; KRT8; Type-II Keratin Kb8. Cell Proliferation-inducing Gene 46 Protein; CK18; CYK18Cytokeratin Endo B; K18; Keratin-18; Kerd; KRT18; anti-CK8/CK18 antibody

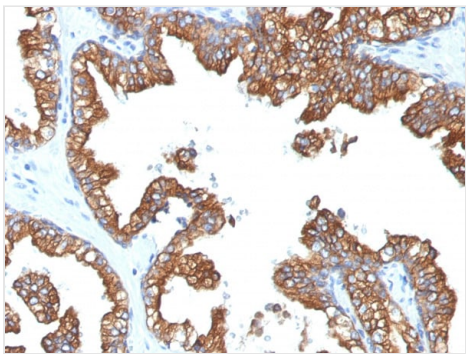
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	5D3
Specificity	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.
Purity/Purification	Culture Supernatant
Form/Format	Tissue culture supernatant with 0.05% Azide. Contact us if you require it in a different format.
Sequence Length	483
Applicable Applications for anti-CK8/CK18 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	MCF-7 or A431 cells. Skin, colon, lung or breast carcinoma.
Immunogen	Cytoskeleton preparation from human breast cancer MCF-7 cells
Cellular Localization	Cytoplasmic
Hu-chromosome Location	17q21.2 (CK8); 12q13.13 (CK18)
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (5D3).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 8/18 Monoclonal Antibody (5D3).

ADDITIONAL INFORMATION

References	1. Bartkova et al. Neoplasma 38(4), 439-46 (1991). 2. Bartek et al. J. Pathology,164:215-24 (1991).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	372466577
NCBI GeneID	3856
NCBI Accession #	NP_001243222.1
NCBI GenBank Nucleotide #	NP_001243222.1
UniProt Accession #	P05787; P05783
Molecular Weight	52.5kDa (CK8); 45kDa (CK18)
NCBI Official Full Name	keratin, type II cytoskeletal 8 isoform 2
NCBI Official Synonym Full Names	keratin 8
NCBI Official Symbol	KRT8
NCBI Official Synonym Symbols	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
NCBI Protein Information	keratin, type II cytoskeletal 8
UniProt Protein Name	Keratin, type II cytoskeletal 8
UniProt Gene Name	KRT8
UniProt Synonym Gene Names	CYK8; CK-8; K8
UniProt Entry Name	K2C8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.