

### 36-3018: Monoclonal Antibody to CK18 (Clone: DC10)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DC10
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT18
<b>Gene ID :</b>	3875
<b>Uniprot ID :</b>	P05783
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KRT18,CYK18,PIG46
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Human breast cancer PMC 42 cells were used as immunogen to generate the Keratin 18 antibody.

#### Description

Keratins, also called cytokeratins, comprise a family of filamentous structural proteins that form the intermediate filaments of epithelial cells. Keratin proteins are differentially expressed depending on epithelial cell type and degree of differentiation. Antibody to a given keratin can be useful as a marker in of itself or as part of an antibody panel to help identify or classify tissue origin.

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Flow Cytometry (1-2ug/million cells), Immunofluorescence (1-2ug/ml), Western Blot (1-2ug/ml), Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)

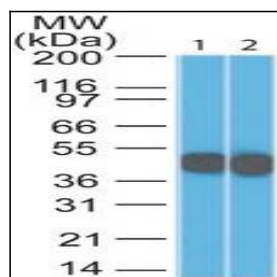


Figure-1: Western blot analysis of CK18. Anti-CK18 antibody (Clone: DC10) was used at 1 µg/ml in 1) HeLa and 2) A431 lysate.

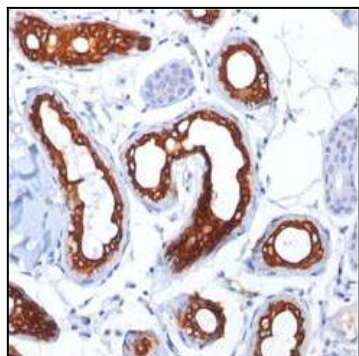


Figure-2: Immunohistochemical analysis of CK18 in human skin sweat gland using CK18 antibody (Clone: DC10) at 1:150 dilution.

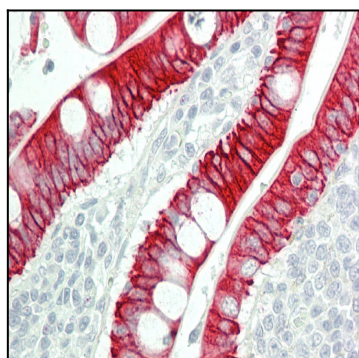


Figure-3: Immunohistochemical analysis of CK18 in human Small intestine tissue using CK18 antibody (Clone: DC10) at 10 µg/ml.

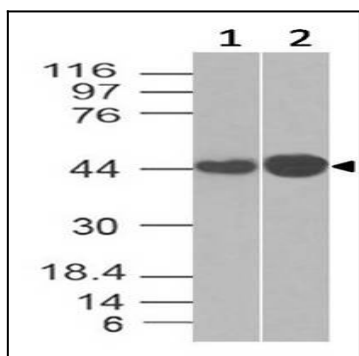


Figure-4: Western blot analysis of CK18. Anti-CK18 antibody (Clone: DC10) was used at 1 µg/ml in 1) K562 and at 0.1 µg/ml in 2) HCT-116 lysates.