

### 30-1045: Anti-Cytokeratin 18 Monoclonal Antibody (Clone:DA-7)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DA-7
<b>Application :</b>	IP
<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
<b>Immunogen Information :</b>	Human breast carcinoma cell line PMC-42.

#### Description

Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families. Cytokeratins 18 belongs to type I family (acidic cytokeratins).

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml. Extracellular and intracellular staining.

Western blotting: Recommended dilution: 1-2 µg/ml. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: colon, skin. Immunocytochemistry: Positive control: MCF-7 human breast adenocarcinoma cell line, HeLa human cervix carcinoma cell line. ELISA: Positive control: MCF-7 human breast adenocarcinoma cell line; the antibody DA-7 has been tested as the detection antibody in a sandwich ELISA for analysis of Cytokeratin 18 in combination with the antibody C-04

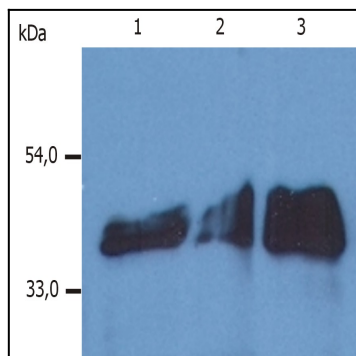


Figure 1: Western Blotting analysis (reducing conditions) of whole cell lysate using anti-human Cytokeratin 18 (DA-7). Lane 1: HeLa human cervix carcinoma cell line. Lane 2: A-431 human epidermoid carcinoma cell line. Lane 3: MCF-7 human breast adenocarcinoma cell line

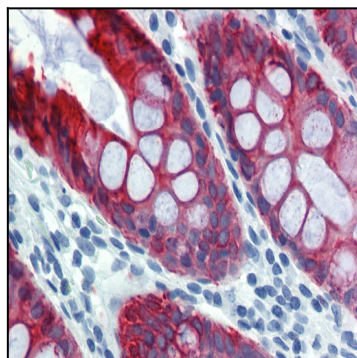


Figure 2: Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 18 (clone DA-7).