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

| Clonality : | Monoclonal |
| :--- | :--- |
| Clone Name : | DA-7 |
| Application : | IP |
| Reactivity : | Human |
| Gene : | KRT18 |
| Gene ID: | 3875 |
| Uniprot ID : | P05783 |
| Format: | Purified |
| Alternative Name : | KRT18,CYK18,PIG46 |
| Isotype : | Mouse IgG1 |
| Immunogen Information : 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

## Amount :

0.1 mg

Purification: Purified by protein-A affinity chromatography
Storage condition : $\quad$ Store at $2-8^{\circ} \mathrm{C}$. Do not freeze.

## Application Note

Flow cytometry: Recommended dilution: 1-4 $\mu \mathrm{g} / \mathrm{ml}$. Extracellular and intracellular staining.
Western blotting: Recommended dilution: $1-2 \mu \mathrm{~g} / \mathrm{ml}$.Immunohistochemistry (paraffin sections): Recommended dilution: 10 $\mu \mathrm{g} / \mathrm{ml}$; 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 2: Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 18 (clone DA-7).

