

## 30-1051: Anti-Cytokeratin 19 Monoclonal Antibody (Clone:BA-17)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	BA-17
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT19
<b>Gene ID :</b>	3880
<b>Uniprot ID :</b>	P08727
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KRT19
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Mammary organoids.

### 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.

### 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: 1-5 µg/ml. Intracellular staining.

Immunohistochemistry: Recommended dilution: 5-10 µg/ml.

Western blotting: Recommended dilution: 1-2 µg/ml.

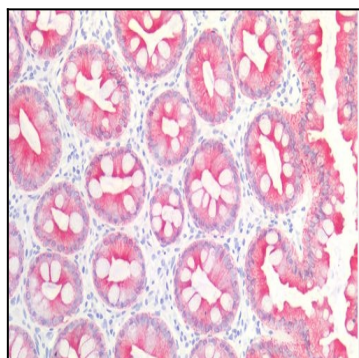


Figure-1: Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 19 (BA-17).

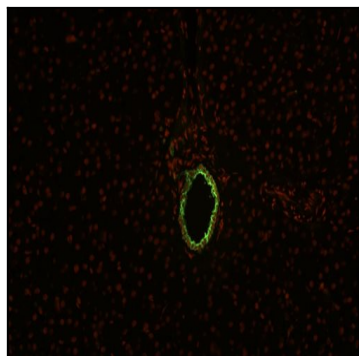


Figure-2: Immunohistochemistry staining (paraffin sections) of cytochrome 19 in human liver using mouse monoclonal antibody BA-17 (30-1051, diluted 1:100), detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green), cell nuclei stained with PI (1µg/ml; orange).

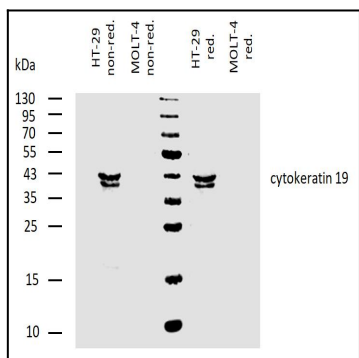


Figure-3: Western blotting analysis of human cytochrome 19 using mouse monoclonal antibody BA-17 on lysates of HT-29 cell line and MOLT-4 cell line (cytochrome non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-cytochrome 19 monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for cytochrome 19 at approximately 41 kDa.

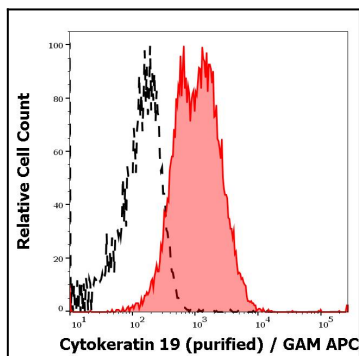


Figure 4: Separation of MCF-7 cells (red-filled) from human leukocytes (black-dashed) in flow cytometry analysis (intracellular staining) of peripheral whole blood spiked with MCF-7 cells stained using anti-Cytochrome 19 (BA-17) purified antibody (GAM APC).