

### 30-1040: Anti-Cytokeratin 8 Monoclonal Antibody (Clone:C-43)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	C-43
<b>Application :</b>	IP
<b>Reactivity :</b>	Sheep
<b>Gene :</b>	KRT8
<b>Gene ID :</b>	3856
<b>Uniprot ID :</b>	P05787
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KRT8,CYK8
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Cytoskeleton preparation from HeLa human cervix carcinoma cell line.

#### 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

Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml

positive tissue: prostate.

Flow cytometry: Recommended dilution: 1-5 µg/ml.

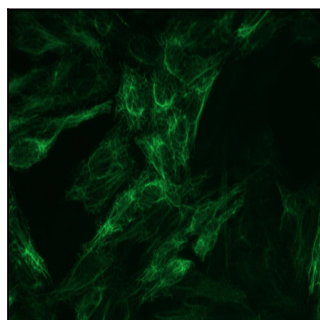


Figure 1: Immunocytochemistry staining of cytokeratin 8 in Hep-2 cells using mouse monoclonal C-43 (diluted 1:100), detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green).

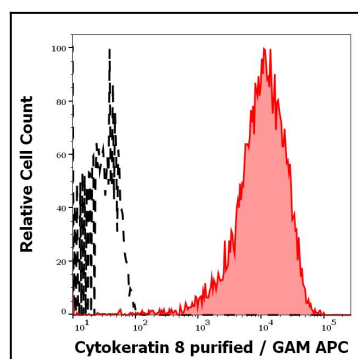


Figure 2: Separation of MCF-7 cells stained using anti-Cytokeratin 8 (C-43) purified antibody (GAM APC, red-filled) from MCF-7 cells stained using negative control (MOPC-21) purified antibody (GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).

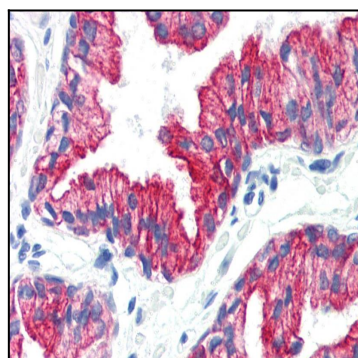


Figure 3: Immunohistochemistry staining of human prostate (paraffin sections) using anti-cytokeratin 8(C-43).

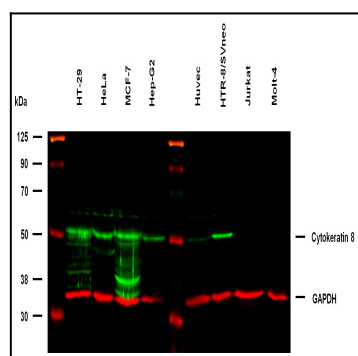


Figure 4: Anti-Hu Cytokeratin 8 Purified (clone C-43) reactivity pattern in WB application.