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30-1827: Anti-Cytokeratin 18 Monoclonal Antibody (Clone:DC-10)-Biotin Conjugated

Clonality :	Monoclonal
Clone Name :	DC-10
Application :	IP
Reactivity :	Human
Conjugate :	Biotin
Gene :	KRT18
Gene ID :	3875
Uniprot ID :	P05783
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.Cytokeratin 18 belongs to type I family (acidic cytokeratins).

Product Info

Amount :	0.1 mg
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 2-6 µg/ml. Intracellular staining.
Western blotting: Recommended dilution: 1-2 µg/ml.

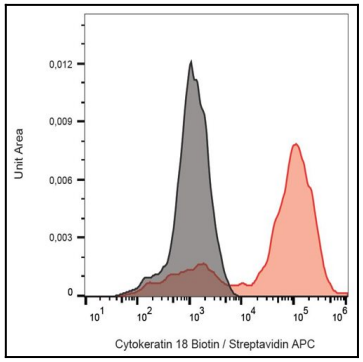

Figure-1: Flow cytometry analysis (intracellular staining) of HeLa cells with anti-human cytokeratin 18 (DC-10) biotin antibody (red, concentration in sample 6 Î¼g/ml) streptavidin-APC, with blank sample (black).

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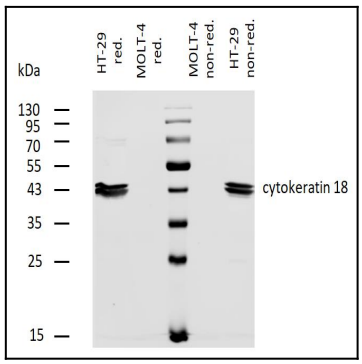

Figure-2: Western blotting analysis of human cytokeratin 18 using mouse monoclonal antibody DC-10 on lysates of HT-29 cell line and MOLT-4 cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of biotinylated mouse anti-cytokeratin 18 monoclonal antibody followed by IRDye800-conjugated streptavidin. Cytokeratin 18 was detected at approximately 46 kDa.