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30-1826: Biotin Conjugated, Anti-Cytokeratin 18 Monoclonal Antibody (Clone:C-04)

Clonality :	Monoclonal
Clone Name :	C-04
Application :	IHC, FACS, IP, WB, ICC, ELISA
Conjugate :	Biotin
Isotype :	Mouse IgG1
Immunogen Information :	Cytoskeleton preparation of epidermal carcinoma cell line A431.

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

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml. Intracellular staining.
Western blotting: Recommended dilution: 1-2 µg/ml.

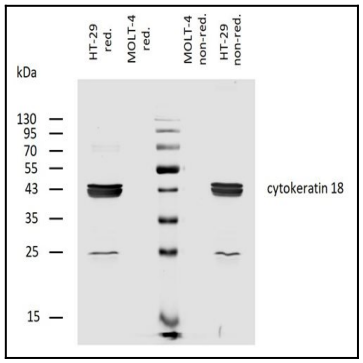

Figure-1: Western blotting analysis of human cytokeratin 18 using mouse monoclonal antibody C-04 on lysates of HT-29 cell line and MOLT-4 cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of biotinylated mouse anti-cytokeratin 18 monoclonal antibody followed by IRDye800-conjugated streptavidin. Cytokeratin 18 was detected at approximately 46 kDa, and its proteolytic fragment at approximately 25 kDa.