

30-1828: Biotin Conjugated, Anti-Cytokeratin (Pan-reactive) Monoclonal Antibody (Clone:C-11)

Clonality :	Monoclonal
Clone Name :	C-11
Application :	WB
Conjugate :	Biotin
Isotype :	Mouse IgG1
Immunogen Information :	Keratin-enriched preparation from human epidermoid 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.

Product Info

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

Application Note

Flow cytometry: Recommended dilution: 1 µg/ml. Intracellular staining.

Immunohistochemistry: Recommended dilution: 2-8 µg/ml.

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

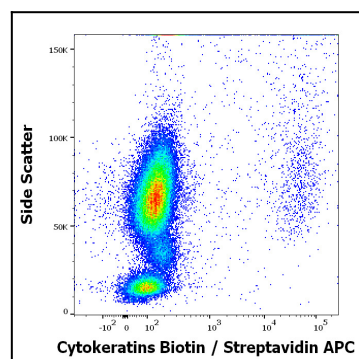


Figure 1:Flow cytometry surface staining pattern of human peripheral whole blood spiked with HeLa cells stained using anti-Cytokeratins (C-11) biotin antibody (Streptavidin APC (3µg/ml), concentration in sample 0.3 µg/ml).

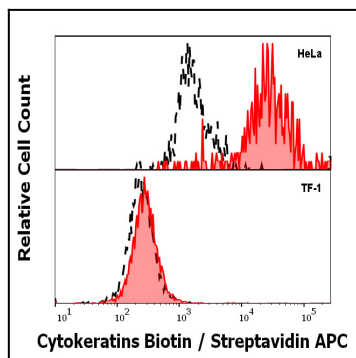


Figure 2: Anti-Hu Cytokeratins biotin antibody (clone C-11) specificity verification by flow cytometry Anti-Cytokeratins (C-11) purified antibody (concentration in sample 0.3 $\mu\text{g/ml}$, Streptavidin APC (3 $\mu\text{g/ml}$), red-filled histogram) binds specifically to intracellular cytokeratins in permeabilized HeLa cells (upper panel), but does not stain permeabilized TF-1 cells (lower panel). Level of non-specific binding was assessed using cells unstained by primary antibody (Streptavidin APC (3 $\mu\text{g/ml}$), black-dashed histogram).