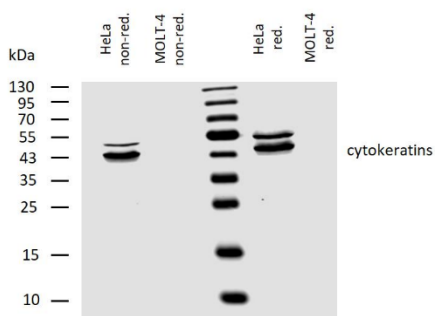
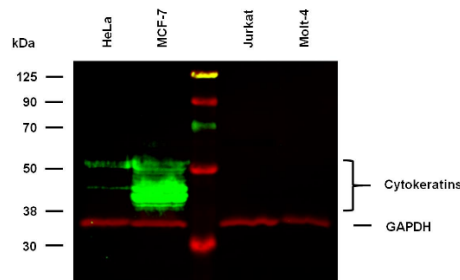


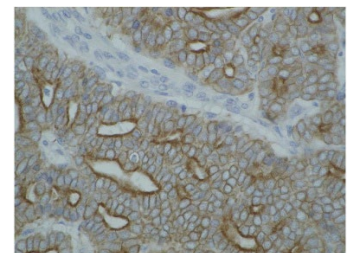
Cat. No:	MAB-95057						
Conjugate:	Unconjugated						
Size:	100ug						
Clone:	C-11						
Concentration:	1mg/ml						
Host:	Mouse						
Isotype:	IgG1						
Immunogen:	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.						
Reactivity:	Mammalian						
Applications:	<table border="0"> <tr> <td>Western Blot:</td> <td>1-2ug/ml</td> </tr> <tr> <td>Immunohistochemistry:</td> <td>2-8 ug/ml</td> </tr> <tr> <td>Flow Cytometry:</td> <td>1ug/ml</td> </tr> </table>	Western Blot:	1-2ug/ml	Immunohistochemistry:	2-8 ug/ml	Flow Cytometry:	1ug/ml
Western Blot:	1-2ug/ml						
Immunohistochemistry:	2-8 ug/ml						
Flow Cytometry:	1ug/ml						
Purification:	Purified by Proein-A affinity chromatography						
Synonyms:	cytokeratin, CYK, CK, KRT						
Background:	Cytokeratins are a subfamily of intermediate filaments and are characterized by remarkable biochemical diversity. They 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.						
Specificity:	The antibody C-11 reacts with cytokeratin peptides 4,5,6,8,10,13,18. Cytokeratins are members of intermediate filaments subfamily intracellular proteins represented in epithelial tissues.						
Form:	Liquid						
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15mM sodium azide.						
Storage:	Store at 2-8°C. Do not freeze.						



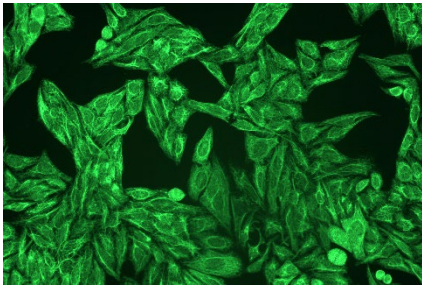
Western blotting analysis of human cytokeratins using mouse monoclonal antibody C-11 on lysates of HeLa cell line and MOLT-4 cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse monoclonal antibody anti-cytokeratins followed by IRDye800-conjugated anti-mouse secondary antibody. Specific bands were detected for cytokeratins at approximately 45-55 kDa.



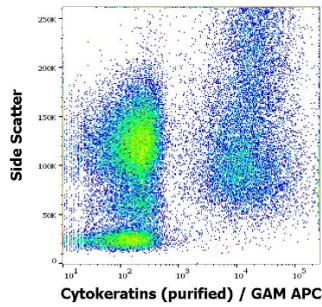
Anti-Hu Cytokeratins Purified (clone C-11) reactivity pattern in WB application. The reactivity of C-11 antibody was assessed by comparing binding signals in a panel of cytokeratin-positive and cytokeratin-negative human cell lines. Western blotting analysis was performed on whole cell extracts (hot 1% SDS lysis buffer) of HeLa, MCF-7, Jurkat, and Molt-4 cell lines, mixed and heated (100°C, 5 min) with reducing (2-mercaptoethanol) SDS-loading buffer. Samples were resolved using 10% SDS-PAGE gel. Nitrocellulose membrane blot was probed with mouse IgG1 monoclonal antibody C-11 (1 µg/ml), followed by IRDye 800CW Goat-anti-Mouse IgG (green). For multiplex fluorescent Western blot detection, mouse anti-GAPDH monoclonal antibody FF26A conjugated with DyLight 680 (0.1 µg/ml) was used as the loading control (red). Cytokeratins were detected at ~38-55 kDa in the respective cell lines.



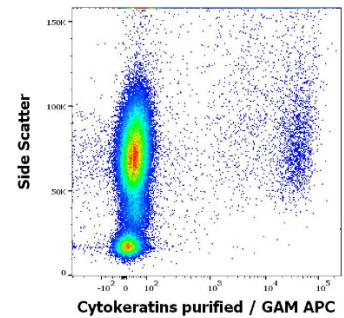
Immunohistochemistry staining of cytokeratin on paraffin-embedded sections of guinea pig breast carcinoma using anti-cytokeratin antibody (C-11).



Immunocytochemistry staining of cytokeratins in Hep-2 cells using pan-cytokeratin antibody C-11 diluted 1:400, detected with GAM IgG-Alexa Fluor®488 (diluted 1:200; green).



Flow cytometry intracellular staining pattern of human peripheral whole blood spiked with MCF-7 cells stained using anti-Cytokeratins (C-11) purified antibody (concentration in sample 3 µg/ml, GAM APC).



Flow cytometry intracellular staining pattern of human peripheral whole blood spiked with HeLa cells stained using anti-Cytokeratins (C-11) purified antibody (GAM APC, concentration in sample 0.3 µg/ml).

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SCIENCES**