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36-3777: Anti-Cytokeratin, pan (Epithelial Marker) Monoclonal Antibody(Clone: PCK/3150)

Clonality :	Monoclonal
Clone Name :	PCK/3150
Application :	FACS,IF,IHC
Reactivity :	Human
Alternative Name :	K1B; KRT1B; Keratin, type II cytoskeletal 1b; K77; CK-1B; Keratin 1B; Keratin-77; Cytokeratin-1B; Type-II Keratin Kb39
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Crude cytokeratin extract prepared from RT-4 and MCF-7 cells.

Description

Anti-cytokeratin clone PCK/3150 demonstrates a broad spectrum of cytokeratin reactivity. In normal tissues, PCK/3150 is reactive with most epithelial types, including bile ducts and hepatocytes in liver, bladder epithelium, breast ducts, bronchial epithelium, endometrium, intestinal epithelium of stomach, duodenum, ileum, colon, rectum, pancreas, ovarian epithelium, pancreatic acini, pituitary acini, pneumocytes, prostate, thyroid, skin (positive on the basal layer and negative on the superficial layers of squamous epithelium), and apocrine and sweat glands. In tumors, PCK/3150 is reactive with most carcinomas, including breast, transitional cell (TCC), renal cell (RCC), lung adenocarcinoma, lung small cell, lung squamous cell, endometrial, prostate, ovarian, hepatocellular (HCC), colorectal CA, stomach and thyroid. It is negative in certain normal tissues, including brain, lymphocytes and all cells of hematolymphoid origin, muscle, brain, nerves, endothelium and in certain tumors including most melanomas, sarcomas, lymphomas, primitive neuroectodermal tumors (PNET)/Ewings and gastrointestinal stromal tumors (GIST). Positivity has been seen on some dendritic cells in lymph nodes, some endothelia, and some muscle cells.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

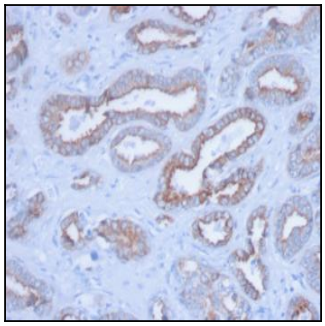


Fig. 1: Formalin-fixed, paraffin-embedded human Prostate stained with Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150).

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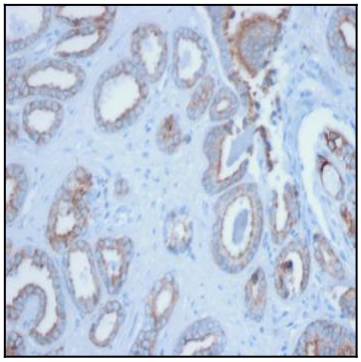


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate stained with Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150).

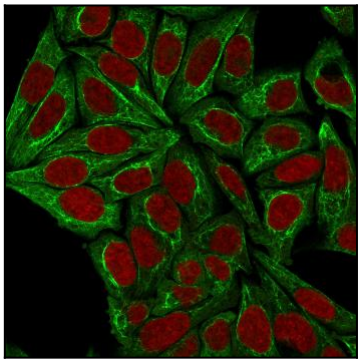


Fig. 3: Immunofluorescence staining of HeLa cells using Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150) followed by goat anti-Mouse IgG conjµgated to CF488 (green). Nucleus stained with Reddot (Red).

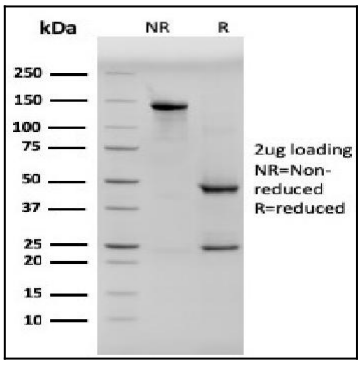


Fig. 4: SDS-PAGE Analysis Purified Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150). Confirmation of Purity and Integrity of Antibody.

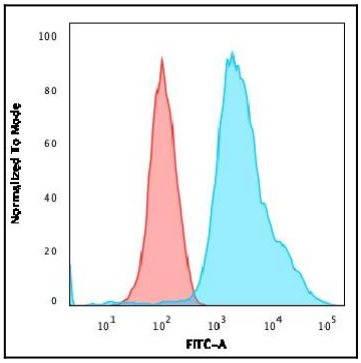


Fig. 5: Flow Cytometric Analysis of HeLa cells using Pan-Cytokeratin Mouse Monoclonal Antibody (PCK/3150) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

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