9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-3722: Anti-Cytokeratin, Multi (Epithelial Marker) Monoclonal Antibody(Clone: C11)

Clonality :	Monoclonal
Clone Name :	C11
Application :	FACS,IF,WB,IHC
Reactivity :	Human, Rat, Mouse
Gene :	KRT4; KRT5; KRT6; KRT8; KRT10; KRT13; KRT18
Gene ID :	3851; 3852; 3853; 3856; 3858; 3860; 3875
Uniprot ID :	P19013; P13647; P02538 ; P05787; P13645; P13646; P05783
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Keratin-enriched preparation from cultured human A431

Description

This MAb recognizes cytokeratin 4, 5, 6, 8, 10, 13, and 18. This is a broad-spectrum antibody, which has been reported to differentiate epithelial tumors from non-epithelial tumors. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

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 (1-4ug/ml); Western Blot (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);

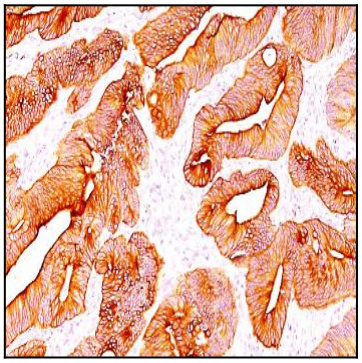

Fig. 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Multi Cytokeratin Mouse Monoclonal Antibody (C11).

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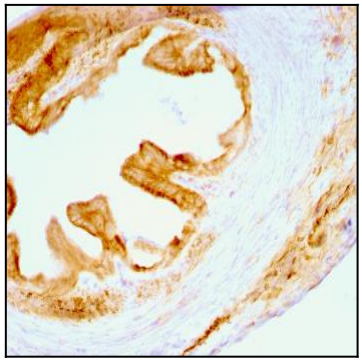

Fig. 2: Formalin-fixed, paraffin-embedded Rat Oviduct stained with Multi Cytokeratin Mouse Monoclonal Antibody (C11).

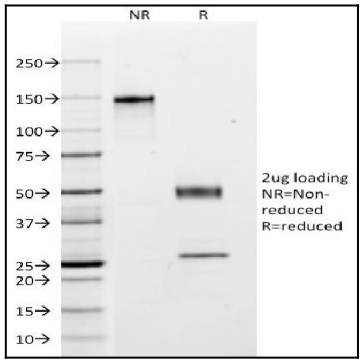

Fig. 3: SDS-PAGE Analysis Purified Multi Cytokeratin Mouse Monoclonal Antibody (C11).

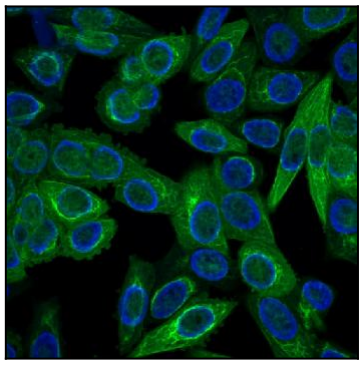

Fig. 4: Immunofluorescence Analysis of HeLa cells labeling Multi Cytokeratin with Multi Cytokeratin Mouse Monoclonal Antibody (C11) conjµgated with CF640R(Green). The nuclear counterstain is DAPI (Blue)

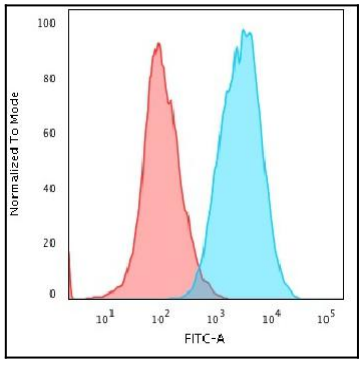

Fig. 5: Flow Cytometric Analysis of Human HeLa cells using Multi Cytokeratin Mouse Monoclonal Antibody (C11) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).