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36-3807: Anti-Cytokeratin, Multi (Epithelial Marker) Monoclonal Antibody(Clone: KRT/1877R)

Clonality :	Monoclonal
Clone Name :	KRT/1877R
Application :	FACS,IF,WB,IHC
Reactivity :	Human, Rat, Mouse
Gene ID :	3851; 3852; 3853; 3854; 286887; 3856; 3858; 3860; 3875
Uniprot ID :	P02538 ; P04259 ; P13647 ; P19013 ; P48668
Isotype :	Rabbit IgG
Immunogen Information :	Keratin-enriched preparation from cultured human epithelial cells

Description

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, including 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13) and 45kDa (CK18). 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 (1-2ug/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);

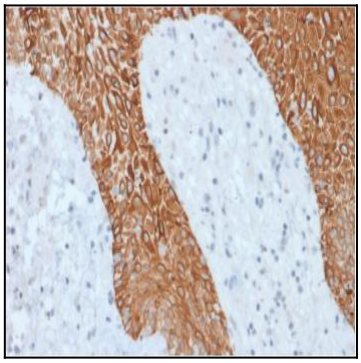


Fig. 1: Formalin-fixed, paraffin-embedded human Skin stained with Multi-Cytokeratin Recombinant Rabbit Monoclonal Antibody (KRT/1877R).

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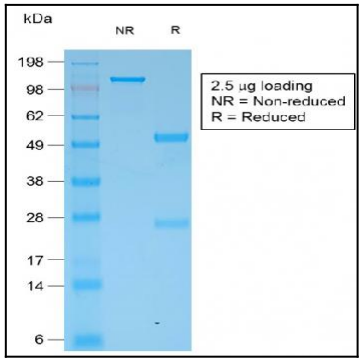


Fig. 2: SDS-PAGE Analysis Purified Multi-Cytokeratin Rabbit Monoclonal Antibody (KRT/1877R). Confirmation of Integrity and Purity of Antibody.

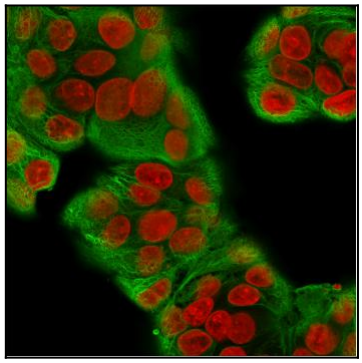


Fig. 3: Immunofluorescence Analysis of MeOH-fixed Human MCF-7 cells labeling CK with Multi-Cytokeratin Recombinant Rabbit Monoclonal Antibody (KRT/1877R)followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

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