

## 36-2672: Anti-Cytokeratin 13 (Non-Keratinized Squamous Epithelial Marker) Monoclonal Antibody(Clone: KRT13/2213)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	KRT13/2213
<b>Application :</b>	IF,FACS,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT13
<b>Gene ID :</b>	3860
<b>Uniprot ID :</b>	P13646
<b>Alternative Name :</b>	CK13; Cytokeratin-13; Keratin Type I Cytoskeletal 13; Keratin-13; KRT13; Type I Cytoskeletal 13; WSN2
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant full-length human KRT13 protein

### Description

Cytokeratin 13 (KRT13) is the major acidic keratin, which together with KRT4, its basic partner, is expressed in the suprabasal layers of non-cornified stratified epithelia including tongue mucosa, esophagus, anal canal epithelium, tracheal epithelium, uterine cervix, and urothelium. Defects in the KRT13 gene are a cause of white sponge nevus of cannon (WSN), a rare autosomal dominant disorder, which predominantly affects non-cornified stratified squamous epithelia and is characterized by the presence of soft, white and spongy plaques in the oral mucosa. KRT13 has been used as a marker for non-keratinized squamous epithelium. It is also expressed in various squamous metaplasia, but it is down regulated in squamous dysplasia and squamous carcinoma.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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

Immunofluorescence (1-2ug/ml); Flow Cytometry (1-2ug per million cells); 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);

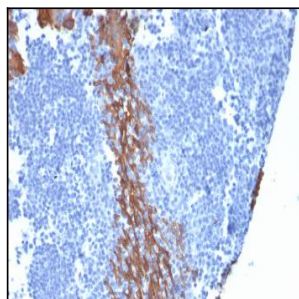


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).

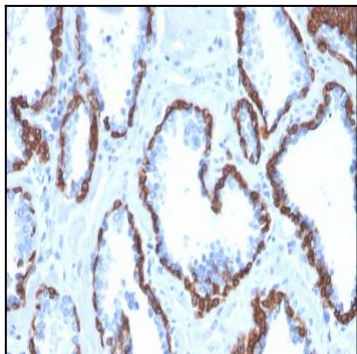


Fig. 2: Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213).

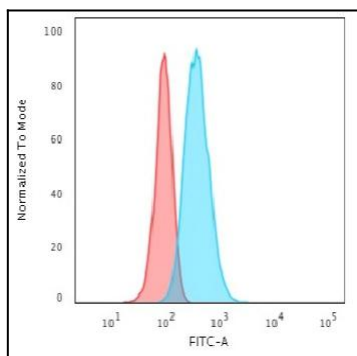


Fig. 3: Flow Cytometric Analysis of HeLa cells using Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

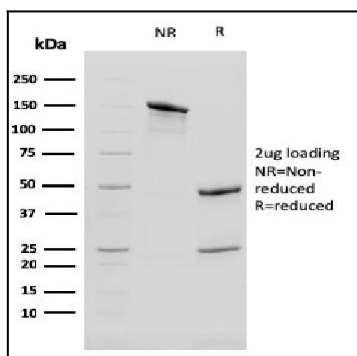


Fig. 4: SDS-PAGE Analysis of Purified Cytokeratin 13 Mouse Monoclonal Antibody (KRT13/2213). Confirmation of Purity and Integrity of Antibody.