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## 36-11091: Monoclonal Antibody to Cytokeratin, Basic (Type II or HMW) (Epithelial Marker)(Clone: 34BE12)

Clonality: Monoclonal Clone Name: 34BE12

**Application :** FACS,IF,WB,IHC **Reactivity :** Human, Mouse, Rat

Gene : KRT76
Gene ID : 51350
Uniprot ID : Q01546
Format : Purified

Alternative Name: KRT76,KRT2B,KRT2P Isotype: Mouse IgG1, kappa

Immunogen Information: Solubilized keRatin extract from human stRatum corneum

## **Description**

This antibody recognizes CK1, CK5, CK10 and CK14. In normal epithelia, it stains stratified epithelia, myoepithelial cells and basal cells in the prostate gland and bronchi. This MAb shows no reactivity with hepatocytes, pancreatic acinar cells, proximal renal tubules, or endometrial glands; there is no reactivity with cells derived from simple epithelia. Mesenchymal tumors, lymphomas, melanomas, neural tumors, and neuroendocrine tumors are negative with this antibody. It stains myoepithelial cells and has been shown to be useful in distinguishing prostate adenocarcinoma from benign prostate. This antibody has also been useful in separating benign from malignant intraductal breast proliferations.

## **Product Info**

**Amount:** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

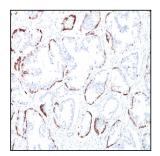
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/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);

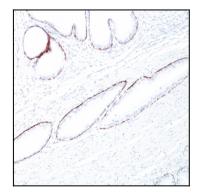


Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin, HMW Monoclonal Antibody (34BE12).



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