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## 36-1349: Monoclonal Antibody to Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker)(KRT7/760 + KRT7/90

Clonality: Monoclonal

**Clone Name:** KRT7/760 + KRT7/903

Application: FACS,IF,IHC
Reactivity: Human
Gene: KRT7
Gene ID: 3855
Uniprot ID: P08729
Format: Purified
Alternative Name: KRT7.SCL

**Isotype:** Mouse IgG1, kappa + Mouse IgG1, kappa **Immunogen Information:** Recombinant full-length human KRT7 protein

## **Description**

It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This MAb is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This MAb is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

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

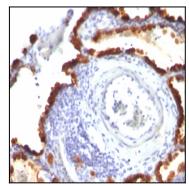


Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)



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Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)



Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)