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# 36-1345: Monoclonal Antibody to Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker)(Clone : SPM270)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | SPM270 |
| **Application :** | WB,FACS,IF,IHC |
| **Reactivity :** | Human |
| **Gene :** | KRT7 |
| **Gene ID :** | 3855 |
| **Uniprot ID :** | P08729 |
| **Format :** | Purified |
| **Alternative Name :** | KRT7,SCL |
| **Isotype :** | Mouse IgG1, kappa |
| **Immunogen Information :** | OTN 11, ovarian carcinoma cell line |

## 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

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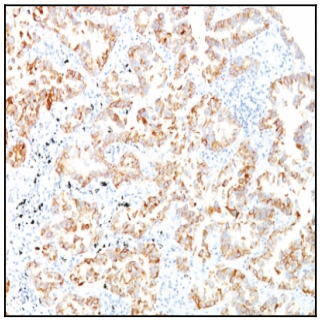
| **Amount :** | 100 µg |
| **Purification :** | Affinity Chromatography |
| **Content :** | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| **Storage condition :** | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

## Application Note

Western Blot (1-2ug/ml); 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 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 Lung SCC stained with Cytokeratin 7 Monoclonal Antibody (SPM270)