

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-2655: Anti-Cytokeratin 7 (Glandular and Transitional Epithelial Marker) Monoclonal Antibody(Clone: rOV-TL12/30)

Clonality: Monoclonal
Clone Name: rOV-TL12/30
Application: WB,FACS,IHC
Reactivity: Human
Gene: KRT7
Gene ID: 3855
Uniprot ID: P08729

CK-7, K2C7, Keratin 55K Type II Cytoskeletal, Keratin Simple Epithelial Type 1 K7, Keratin Type

**Alternative Name:** II Cytoskeletal 7, Krt2-7, KRT7, Sarcolectin, SCL, Type II Mesothelial Keratin K7, Type-II Keratin

Kb7

**Isotype:** 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:** 20 μg / 100 μg

**Content:** 200 μg/ml of recombinant MAb Purified 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**

Western Blot (1-2ug/ml); Flow Cytometry (1-2ug/million cells); 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);

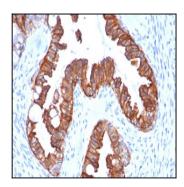


Fig. 1: Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with CK7 Recombinant Mouse Monoclonal Antibody (rOV-TL12/30).



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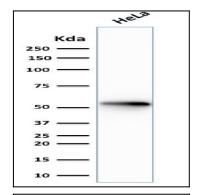


Fig. 2: Western Blot Analysis of human HeLa cell lysate using CK7 Recombinant Mouse Monoclonal Antibody (rOV-TL12/30).

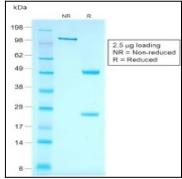


Fig. 3: SDS-PAGE Analysis Purified CK7 Recombinant Mouse Monoclonal Antibody (rOV-TL12/30). Confirmation of Purity and Integrity of Antibody.

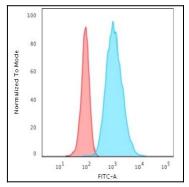


Fig. 4: Flow Cytometric Analysis of HeLa cells using CK7 Recombinant Mouse Monoclonal Antibody (rOV-TL12/30).followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).