

CK 7 (OV-TL12-30)

Format	Catalog No.	Pack size	Dilution
Concentrated	G00142 A, B, C	0.1, 0.5, 1.0 mL	1:100
Prediluted	G00142 AA, BB	6.0, 3.0 mL	Ready to use

SPECIES: Mouse

IMMUNOGEN: OTN 11, ovarian carcinoma cell line

CLONE: OV-TL12/30

ISOTYPE: IgG1

FORMAT: 200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM EDTA with 0.05% BSA & 0.05% azide.

SPECIFICITY – The 55 kDa intermediate filament protein (IFP) that this antibody detects is known as cytokeratin 7. This antibody exhibits no cross-reaction with other IFPs and is very specific to cytokeratin 7.

BACKGROUND –

The majority of glandular and transitional epithelia have the basic cytokeratin 7, cytokeratin 7, whereas stratified squamous epithelia do not. The epithelial cells of the breast, lungs, and ovaries express Keratin 7, but not those of the colon, prostate, or digestive system. This antibody is very helpful in differentiating between colon carcinomas (keratin 7-) and ovarian carcinomas (keratin 7+).

SPECIES REACTIVITY : Human; Others not known.

POSITIVE CONTROL : HeLa cells. Carcinoma of ovary, lung, cervix, or breast. Cellular Localization: Cytoplasmic

CELLULAR LOCALIZATION : Cytoplasmic.

TITER/WORKING DILUTION : : Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml

Flow Cytometry: 0.5-1 µg/million cells

Western Blotting: 0.5-1 µg/ml

Immunofluorescence: 0.5-1 µg/ml

Immunoprecipitation: 0.5-1 µg/500µg protein lysate

MICROBIOLOGICAL STATE : This product is not sterile.

LIMITATIONS AND USES:

1. Not to be consumed internally.
2. For research purposes only (RUO)
3. This product is designed for qualitative immunohistochemistry using formalin-fixed, paraffin-embedded
4. tissue sections from both normal and malignant tissues, which will be examined under a light microscope.
5. If the reagent gets hazy, don't use it.



4448 Ammendale Rd Beltsville, MD
20705, USA



www.genebiosolution.com



info@genebiosolution.com



+1 (408) 580-1396

6. Never use after the expiration date.
7. When working with reagents, exercise caution.
8. Not sterile.

PROCEDURE –

1. **Tissue Section Pretreatment (Necessary):** Citrate Plus pretreatment greatly improves the staining of tissue slices that have been paraffin embedded and fixed with formalin.
2. **Incubation Time for Primary Antibody:** We recommend 30 minutes at room temperature for incubation.
However, the user should choose the best incubation time based on the staining system used and the fixing circumstances.
3. **Visualisation:** To get the highest staining intensity, we advise combining the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" with the "HRP Anti-Polyvalent".

PRECAUTIONS –

1. Contains 0.09% w/v sodium azide as a preservative.
2. Avoid pipetting by mouth.
3. Reagents and specimens should not come into touch with skin or mucous membranes.
4. Prevent reagent contamination by microorganisms, as this could lead to an increase in nonspecific staining.
5. There are no dangerous materials in this product.

TECHNICAL SUPPORT

For technical assistance, please contact Genebio Solution's Technical Support at www.genebiosolution.com



4448 Ammendale Rd Beltsville, MD
20705, USA



www.genebiosolution.com



info@genebiosolution.com



+1 (408) 580-1396