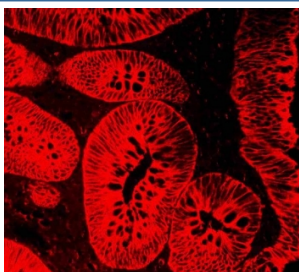


## Cytokeratin 18 Antibody [clone CY-90] (R30024)

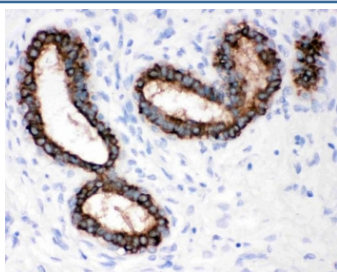
| Catalog No. | Formulation                                                                            | Size   |
|-------------|----------------------------------------------------------------------------------------|--------|
| R30024      | 0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS | 100 ug |

[Bulk quote request](#)

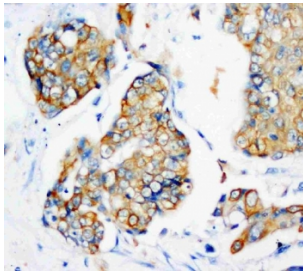
|                    |                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                                                                                   |
| Species Reactivity | Human                                                                                                                                                                               |
| Format             | Ascites                                                                                                                                                                             |
| Clonality          | Monoclonal (mouse origin)                                                                                                                                                           |
| Isotype            | Mouse IgG1                                                                                                                                                                          |
| Clone Name         | CY-90                                                                                                                                                                               |
| Purity             | Unpurified ascites                                                                                                                                                                  |
| Gene ID            | 3875                                                                                                                                                                                |
| Applications       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml<br>Immunohistochemistry (Frozen) : 0.5-2ug/ml; formalin or acetone fixed tissues<br>Immunofluorescence : 5ug/ml |
| Limitations        | This Cytokeratin 18 antibody is available for research use only.                                                                                                                    |



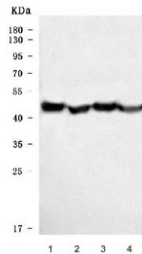
Immunofluorescent staining of FFPE human rectal cancer tissue with Cytokeratin 18 antibody. HIER: steam section in pH8 EDTA buffer for 20 min.



IHC staining of FFPE human breast cancer tissue with Cytokeratin 18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human breast cancer tissue with Cytokeratin 18 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) placenta, 2) A431, 3) Caco-2 and 4) HepG2 cell lysate with Cytokeratin 18 antibody. Predicted molecular weight ~48 kDa.

## Description

Intermediate filaments (IFs) are a structurally related family of cellular proteins that appear to be intimately involved with the cytoskeleton. Human keratin 18 (KRT18) and the homologous mouse Endo B are type I IF protein subunits whose expression is restricted in adults to a variety of simple epithelial tissues. The KRT18 gene is 3,791 bp long and the Cytokeratin 18/Keratin 18 protein is coded for by 7 exons. By Southern blotting using the genomic DNA PCR product, the gene for Cytokeratin 18 has been assigned to chromosome 12. Mutation of human Keratin 18 has been associated with cryptogenic cirrhosis.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Cytokeratin 18 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

The human epidermal carcinoma A-431 and MCF-7 human breast cancer cell lines was used as the immunogen for this Cytokeratin 18 antibody.

## Storage

After reconstitution, the Cytokeratin 18 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.