

## Mouse anti-Human Cytokeratin 20 (KRT20) Monoclonal Antibody | anti-KRT20 antibody

Cytokeratin 20 (KRT20) (Colorectal Epithelial Marker)

|                               |                      |                            |                                                           |
|-------------------------------|----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA215152</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|-----------------------------------------------------------|

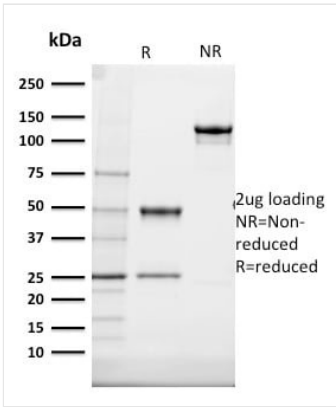
### PRODUCT SYNONYMS

Cytokeratin 20 (KRT20); Monoclonal Antibody; Cytokeratin 20 (KRT20) (Colorectal Epithelial Marker); CK20; Cytokeratin-20; K20; KA20; Keratin 20; keratin 20; type I; Keratin type I cytoskeletal 20; Keratin-20; KRT20; anti-KRT20 antibody

### PRODUCT SPECIFICATIONS

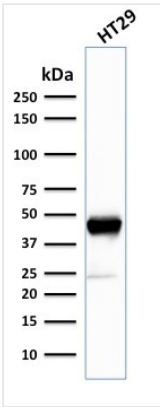
|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype                                         | IgG2b, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clone Number                                    | SPM140                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                     | This MAb recognizes an intermediate filament protein of 46kDa, identified as cytokeratin 20 (KRT20). KRT is abundantly expressed in goblet cells and enterocytes of the gastrointestinal tract. It is a useful marker of pancreatic and colorectal cancer. KRT20 is expressed under normal, hyperplastic and neoplastic conditions. It has been detected in adenocarcinomas of the colon, stomach and biliary tract. Breast carcinomas are generally non-reactive. |
| Purity/Purification                             | Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                     | 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                             |
| Sequence Length                                 | 424                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-KRT20 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Positive Control                                | HT29 cells. Colon Carcinoma.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                                       | Recombinant fragment of human KRT20 protein (around aa 196-323) (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization                           | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hu-chromosome Location                          | 17q21.2                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                         | Antibody with azide: store at 2 to 8 degree C.<br>Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                 |

IMAGES



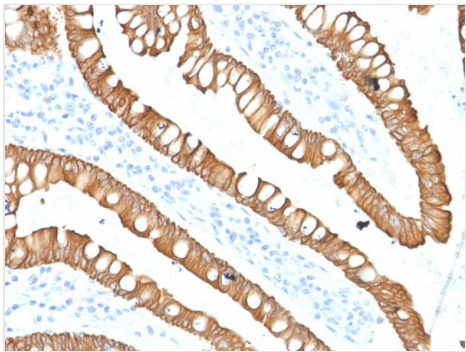
SDS-PAGE

SDS-PAGE Analysis Purified Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (SPM140). Confirmation of Integrity and Purity of Antibody



WB (Western Blot)

Western Blot Analysis of human HT29 cell lysate using Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (SPM140).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 20 (KRT20) Mouse Monoclonal Antibody (SPM140).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | 1. Moll, R., et al. 1993. The human gene encoding Cytokeratin 20 and its expression during fetal development and in gastrointestinal carcinomas. Differentiation 53: 75-93. 2. Wauters, C.C., et al. 1995. Keratins 7 and 20 as diagnostic markers of carcinomas metastatic to the ovary. Hum. Pathol. 26: 852-855 |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 27894337                        |
| NCBI GeneID                      | 54474                           |
| NCBI Accession #                 | NP_061883.1                     |
| NCBI GenBank Nucleotide #        | NP_061883.1                     |
| UniProt Accession #              | P35900                          |
| Molecular Weight                 | 46kDa                           |
| NCBI Official Full Name          | keratin, type I cytoskeletal 20 |
| NCBI Official Synonym Full Names | keratin 20                      |
| NCBI Official Symbol             | KRT20                           |
| NCBI Official Synonym Symbols    | K20; CD20; CK20; CK-20; KRT21   |
| NCBI Protein Information         | keratin, type I cytoskeletal 20 |

|                            |                                 |
|----------------------------|---------------------------------|
| UniProt Protein Name       | Keratin, type I cytoskeletal 20 |
| UniProt Gene Name          | KRT20                           |
| UniProt Synonym Gene Names | CK-20; K20                      |
| UniProt Entry Name         | K1C20_HUMAN                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-20-krt20-antibody-clone-spm140-immunohistochemistry-western-blot-elisa/215152>