

## Product datasheet

anti-Keratin K20 mouse monoclonal, IT-Ks20.5, lyophilized, purified

### Short overview

|                      |  |
|----------------------|--|
| <b>Cat. No.</b>      | 61033  |
| <b>Quantity</b>      | 50 µg  |
| <b>Concentration</b> | 50 µg/ml after reconstitution with 1ml dist. water |

### Product description

|                                      |  |
|--------------------------------------|--|
| <b>Host</b>                          | Mouse  |
| <b>Antibody Type</b>                 | Monoclonal   |
| <b>Isotype</b>                       | IgG2a  |
| <b>Clone</b>                         | IT-Ks20.5  |
| <b>Immunogen</b>                     | Electrophoretically purified keratin K20 from human intestinal mucosa  |
| <b>Formulation</b>                   | Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4) |
| <b>UniprotID</b>                     | P35900 (Human), Q29218 (Pig)   |
| <b>Synonym</b>                       | Keratin, type I cytoskeletal 20, Cytokeratin-20, CK-20, Keratin-20, K20, Protein IT, KRT20                                 |
| <b>Conjugate</b>                     | Unconjugated   |
| <b>Purification</b>                  | Affinity chromatography  |
| <b>Storage before reconstitution</b> | 2-8°C until indicated expiry date  |
| <b>Storage after reconstitution</b>  | Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles                                  |
| <b>Intended use</b>                  | Research use only  |
| <b>Application</b>                   | ICC/IF, IHC, WB  |
| <b>Reactivity</b>                    | Human, Pig   |
| <b>No reactivity</b>                 | Rat  |

### Applications

|  |                 |
|--|-----------------|
| <b>Immunocytochemistry (ICC)</b>           | Assay dependent |
| <b>Immunohistochemistry (IHC) - frozen</b> | Assay dependent |
| <b>Western Blot (WB)</b>                   | Assay dependent |

### Background

IT-Ks 20.5 represents an excellent marker for certain types of carcinomas such as adenocarcinomas of the colon, transitional cell carcinomas of the bladder and Merkel cell tumors of the skin. Very sensitive detection of intestinal and gastric foveolar epithelium, urothelial umbrella cells, Merkel cells of epidermis as well as tumors originating therefrom (e.g. primary and metastatic colorectal carcinoma). Adenocarcinomas of breast, lung, endometrium and ovary (non-mucinous) as well as neuroendocrine tumors of the lung are essentially negative.

Polypeptide recognized: protein IT (keratin K20; Mr 46,000; formerly also designated cytokeratin 20).

Reactivity on cultured cell lines: HT-29, LoVo, DLD-1, SW 1116, CaCo-2, RT-4.

## Product images



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## References

| Publication  | Species | Application            |
|--|---------|------------------------|
| <a href="#">Moll, R. et al. The human gene encoding cytokeratin 20 and its expression during fetal development and in gastrointestinal carcinomas. Differentiation. 53, 75â€“93 (1993).</a>                  | human   | IHC (frozen)           |
| <a href="#">Moll, R., Lowe, A., Laufer, J. &amp; Franket, W. W. Cytokeratin 20 in Human Carcinomas A New Histodiagnostic Marker Detected by Monoclonal Antibodies. Am. J. Pathol. 140, 427â€“447 (1992).</a> | human   | WB,IHC (frozen),ICC-IF |

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