

## Product datasheet

### anti-Keratin K20 mouse monoclonal, IT-Ks20.10, FITC Conjugate

#### Short overview

<b>Cat. No.</b>	61454
<b>Quantity</b>	250 µl (200 µg/ml)
<b>Concentration</b>	200 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	IT-Ks20.10
<b>Immunogen</b>	Electrophoretically purified keratin K20 from human intestinal mucosa
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<b>UniprotID</b>	P35900 (Human),Q9D312 (Mouse),Q29218 (Pig)
<b>Synonym</b>	Keratin, type I cytoskeletal 20, Cytokeratin-20, CK-20, Keratin-20, K20, Protein IT, KRT20
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	FITC
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC
<b>Reactivity</b>	Human, Mouse, Pig

#### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:10-1:20
<b>Immunohistochemistry (IHC) - paraffin</b>	1:10-1:20 (microwave treatment recommended)

#### Background

IT-Ks20.10 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="#">Hartmannsberger, B. et al. Intraepidermal nerve fibre density as biomarker in Charcot-Marie-Tooth disease type 1A. Brain Commun. 2, fcaa012(2020).</a>	human	IHC (frozen)-IF
<a href="#">Eispert, A.-C. et al. Evidence for distinct populations of human Merkel cells. Histochem. Cell Biol. 132, 83â€“93 (2009).</a>	human	IHC (frozen)
<a href="#">Moll, I. et al. Human Merkel cells--aspects of cell biology, distribution and functions. Eur. J. Cell Biol. 84, 259â€“71 (2005).</a>	human	IHC (frozen),IHC (paraffin)