Product datasheet

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

Short overview

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

Product description

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

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:20
Immunohistochemistry (IHC) - paraffin	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 intestestinal 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
Hartmannsberger, B. et al. Intraepidermal nerve fibre density as biomarker in Charcot-Marie-Tooth disease type 1A. Brain Commun. 2, fcaa012(2020).	human	IHC (frozen)-IF
Moll, I. et al. Human Merkel cells--aspects of cell biology, distribution and functions. Eur. J. Cell Biol. 84, 259â€“71 (2005).	human	IHC (frozen),IHC (paraffin)
Eispert, A.-C. et al. Evidence for distinct populations of human Merkel cells. Histochem. Cell Biol. 132, 83â€“93 (2009).	human	IHC (frozen)