Product datasheet

anti-Melanoma-Associated Antigen mouse monoclonal, NKI/C-3, ascites fluid

Short overview

Cat. No.	10819
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	NKI/C-3
Immunogen	Isolated from human melanoma cells
Formulation	Contains 0.09% sodium azide
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Ascites
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ELISA, IHC, WB
Reactivity	Human

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - paraffin	1:5-1:10 (microwave treatment recommended)
Western Blot (WB)	Assay dependent

Background

NKI/C-3 recognizes a melanoma-associated antigen present in the cytoplasm of melanoma cells and nevocellular nevi, in contrast to most mabs against melanoma-associated antigens present in the membrane, which are not retained after formalin fixation. Therefore, the mab is very useful for paraffin sections in routine pathology. Cross reactivity with carcinoids, medullary carcinomas of the thyroid, and occasionally prostatic, primary breast, avarian, and lung carcinomas may be observed. No reaction is seen with basal cell carcinomas or brain tumors. NKI/C-3 does not react with normal melanocytes or other normal tissues except for mastcells, histiocytes, salivary glands, bronchial glands, pancreatic und prostatic epithelium. For the diagnosis of melanoma, the antibody should be used in combination with other antibodies (e.g. cytokeratin immunoreactivity indicative for carcinoma versus vimentin immunoreactivity indicative for melanoma). In immunoblotting the antibody reacts with diffuse protein bands between 25 and 100 kD.Positive control: Melanoma.

Product images

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References

Publication	Species	Application
van Duinen, S. G. et al. Immunohistochemical and histochemical tools in the diagnosis of amelanotic melanoma. Cancer 53, 1566-1573 (1984).	human	IHC (paraffin)