

## MONOCLONAL ANTIBODY MELANOMA CELLS

Cat. No.	Form	Quantity	Presentation
1939	Pre-diluted	6 ml	Ready-to-use

**Clone** KBA62 (1)

**Isotype** IgG2a (mouse)

**Immunogen** KAL cell line, established in culture from a lymph node metastasis of malignant melanoma (1).

**Hybridoma** Myeloma P3XAg8.653 x Balb/c spleen cells

**Specificity** KBA62 recognizes, in the Western Blots of lysed KAL cells, three major bands of 128, 135 and 140 kDa respectively, and two minor bands of 73 and 88 kDa (1).

**Normal tissues:** Basal melanocytes are negative. Hair follicles of skin and basal cells of uninvolved skin above intradermal or compound nevi may show reactivity with KBA62 after heating of the sections. Some endothelial cells may occasionally be recognized by KBA62 (1).

**Tumor tissues:** Research studies have shown that KBA62 reacts with most benign and malignant melanocytic tumors. Rare cases of non-melanocytic tumors such as well differentiated squamous cell skin and lung carcinomas may be positive with KBA62 (1). Unlike melanocytic tumors, carcinomas show a positivity with KBA62 at the periphery of malignant lobules (1).

Positive control: nevus.

Staining pattern: membrane, with little or no cytoplasmic staining.

**Applications** For research studies by immunohistochemical and cytochemical staining of melanoma cells on frozen or routinely-fixed, paraffin-embedded tissue sections (1).

**Buffer** Purified Ig in 50 mM Tris-HCl, 0.15 M NaCl, pH 7.2 containing 1 mg/ml bovine serum albumin and 0.1% sodium azide. The buffer contains a green dye.

**Storage** This liquid form should be stored at 2-8°C until the expiration date stated on the vial label.

**Recommended Procedures** KBA62 monoclonal antibody is ready for use on frozen sections, and on routinely fixed (Dubosq-Brasil, Formalin, Bouin), paraffin-embedded tissue sections.

Process immunostaining according to previously described methods (2).

The primary antibody should be incubated on tissue sections at room temperature for 60 minutes.

November 28, 1995

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Other conditions of incubations (temperature, time, dilution) may be defined by the laboratory.

The pre-heating of sections\* may improve the staining (1, 3).

\*Depending on the exact protocol followed, this step may require a license under U.S. Patent 5,244,787.

## References

- 1) Cohen-Knafo, E., Al Saati, T., Aziza, J., Ralfkiaer, E., Selves, J., Gorguet, B. and Delsol, G., "Production and characterization of an anti-melanoma monoclonal antibody KBA62 using a new melanoma cell line reactive on paraffin wax embedded sections", 1995, J. Clin. Pathol., **48**, 826-861.
- 2) Leong, ASY., "Immunohistochemistry: theoretical and practical aspects", 1993, In Leong ASY Ed, Applied Immunohistochemistry for the Surgical Pathologist, Edward Arnold, London, pp.2-22.
- 3) Data on file at Immunotech, S.A.