

Rabbit Polyclonal anti-S-100

60-0061; 60-0061-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0061; 61-0061-2; 61-0061-5	1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
Isotype	N/A
Concentration	See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect S-100 in normal and neoplastic formalin fixed paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

The S-100 is expressed in benign nevi and malignant melanoma cells. Nearly all benign melanocytic lesions contain S-100 protein which is also observed in over 95% of malignant melanomas.

The antibody reacts with α and β subunits of S-100. Positive results aid in the differential diagnosis of melanomas and nerve sheath tumors from carcinomas. For this purpose, the S-100 antibody is a sensitive marker, but it is not as specific as other antibodies. Therefore, it is recommended that S-100 antibody be used in a panel containing antibodies to keratin, HMB45, and epithelial membrane antigen. The S-100 antibody cannot distinguish between benign and malignant lesions.

Reagent provided

This antibody is diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN_3) as antimicrobial agent.

Precautions

For professional users.

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN_3 may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0061; 60-0061-7: Ready-To-Use

61-0061; 61-0061-2; 61-0061-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Melanoma

Epitope retrieval

Not Required

Staining pattern

Cytoplasm

Storage

Store at 2-8°C.

References

1. Cochran AJ, et al. Melanoma Res. 1993 Oct;3(5):325-30
2. Orchard GE, et al. Histochem J. 2000 Aug;32(8):475-81
3. Wick MR, et al. J Cutan Pathol. 1988 Aug;15(4):201-7

Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

