

IMMUNOHISTOCHEMISTRY, S 100

IHC MARKER	RESULT
S100	

SLIDE NO :

SPECIMEN:

CLINICAL HISTORY :

GROSS:

IMPRESSION:

ADVISED:

INTERPRETATION

RESULT	SCORE
Non immunoreactive	0
Immunoreactive in 1-25% cells	1+
Immunoreactive in 26-50% cells	2+
Immunoreactive in 51-75% cells	3+
Immunoreactive in 76-100% cells	4+

COMMENTS

S 100: It is a calcium binding protein composed of different combinations of alpha and beta subunits. It is present in the nucleus and cytoplasm of glial and schwann cells, melanocytes, chondrocytes, adipocytes and myoepithelial cells. All tumors derived from these cells are positive for S 100. It has both nuclear and cytoplasmic localization and the main use is in the evaluation of peripheral nerve sheath and melanocytic tumors.

NOTE:

1. Detection system used is Polymer HRP
2. The impression is based on the material submitted and is not a complete surgical pathology report.
3. False negative IHC results due to inadequate fixation of the material sent for evaluation cannot be excluded.

FIXATION REQUIREMENTS

- A. The volume of formalin fixative should be atleast 10 times the volume of the specimen.
- B. Decalcification solutions with strong acids should not be used.
- C. Specimens should be immersed in fixative within 1 hour of the biopsy /resection procedure (time of removal & time of immersion to be mentioned)
- D. In all resection (large) specimens, the tumour must be bisected prior to immersion in fixative.