

## IMMUNOHISTOCHEMISTRY, CD4

IHC MARKER	RESULT
CD4	

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

**CD4:** CD4 is a stage marker of T cell development in the Thymus and is expressed on the cell surface in a stage specific manner. The antibody reacts on a low level with human monocytes and macrophages but does not react with B cells, granulocytes & thrombocytes. It stains CD4 antigen on the membrane of positive T lymphocytes. This antibody is useful in the diagnosis of T cell lymphomas including Mycosis fungoides and some Histiocytic neoplasms including Langerhan's cell histiocytosis.

## 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.