

## IMMUNOHISTOCHEMISTRY, CD45, LEUCOCYTE COMMON ANTIGEN

IHC MARKER	RESULT
CD45 (LCA)	

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

**CD45** designates a family of glycoproteins expressed only by hematopoietic cells. It is specific for both benign and malignant lymphoid cells. T & B cell zones of lymph nodes react with LCA. Mast cells also stain well. LCA does not stain megakaryocytes, erythroid cells, normal myeloid cells or non-hematopoietic cells.

## Reactivity of LCA in Lymphomas

Non Hodgkins lymphoma:	95%
Lymphoblastic lymphoma:	80%
Anaplastic large cell lymphoma:	70%

## 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 at least 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.