

## Mouse Monoclonal anti-LCA (CD45), Clone MEM28/55/56

60-0041; 60-0041-7                      6 mL; 7 mL predilute Antibody, Ready-To-Use

61-0041; 61-0041-2; 61-0041-5        1 mL; 0.2 mL; 0.5 mL Concentrate Antibody

Isotype                                      IgG1 and IgG2b

Concentration                              See container label

### Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect LCA (CD45) in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

CD45, Leucocyte Common Antigen (LCA), is expressed on most nucleated cells of haematopoietic origin and has various isoforms.

The anti CD45 antibody cocktail labels CD45 in both normal and neoplastic cells, is a useful tool for identifying tumor cells of lymphoid origin. CD45 is routinely used to aid the differential diagnosis of undifferentiated neoplasms, whenever malignant lymphoma is suspected by the morphologic clinical data. Certain types of lymphoid neoplasms may lack CD45 expression (Hodgkin's disease, some T-cell lymphomas, some leukemias).

### Reagent provided

This antibody is purified immunoglobulin diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide ( $\text{NaN}_3$ ) 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  $\text{NaN}_3$  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

60-0041; 60-0041-7: Ready-To-Use

61-0041; 61-0041-2; 61-0041-5: 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

Tonsil

#### Epitope retrieval

Not Required

**Staining pattern**

Membrane

**Storage**

Store at 2-8°C.

**References**

1. Hall PA, et al. Histopathology. 1988 Aug;13(2):149-60
2. Horejsí V, et al. Folia Biol (Praha). 1988;34(1):23-34
3. Bazil V, et al. Folia Biol (Praha). 1989;35(5):289-97

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