Antibody Information

**Antibody name:** TPD153  
**Specificity:** Human LSP1  
**Antibody species:** Mouse  
**Ig Isotype:** IgG1  
**Immunogen:** Tonsil cell suspension  
**Epitope recognized:** Not known  
**Specificity:** Human only tested

**Submitted:** Karen Pulford (University of Oxford), Oxford, UK

Antibody validation data

- Biochemical validation of TPD153 monoclonal antibody in transfectants  
  (Figure 1)
- Biochemical characterization of TPD153 monoclonal antibody in a range of cell lines  
  (Figure 2)
- Expression in reactive human paraffin tonsil  
  (Figure 3)
Western Blotting studies showing recognition of LSP1 in cell lines derived from a variety of haematological malignancies.

Figure 1: Biochemical validation of TPD153 monoclonal antibody in transfectants

Antibody TPD153 recognised LSP1 (arrowed) in lysates from LSP1-positive COS transfectants (lanes 1 and 2) but not from vector only COS lysates (lanes 3 and 4).

Figure 2. Biochemical characterization of TPD153 monoclonal antibody in lysates from a range of cell lines

Western Blotting studies showing recognition of LSP1 in cell lines derived from a variety of haematological malignancies.
Figure 3: LSP1 (TPD153) expression in reactive tonsil and thymus

APAAP labelling of tonsil showing LSP1 is present in cells in the germinal centre (GC), mantle zones (MZ) and interfollicular areas. Tingible body macrophages (arrowed) are negative.

APAAP labelling showing presence of LSP1 in a) plasma cells and Langerhans cells (both arrowed) of tonsil.

Double immunofluorescent labelling of thymus for LSP1 (green) and CD3 (red) showing LSP1-positive CD3-positive cells (yellow) to be in the medulla. Only scattered LSP1-positive cells were seen in the cortex.
Publications using antibody to LSP1 (TPD153)


Patents: None

Antibody licensed to: DakoCytomation and Santa Cruz.