

### 36-1973: Monoclonal Antibody to CD74 (B-Cell Marker)(Clone : SPM523)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM523
<b>Application :</b>	FACS,IF,IHC
<b>Reactivity :</b>	Mouse, Human
<b>Gene :</b>	CD74
<b>Gene ID :</b>	972
<b>Uniprot ID :</b>	P04233
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	SU-DHL-4 lymphoma cells

#### Description

CD74 is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).

#### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

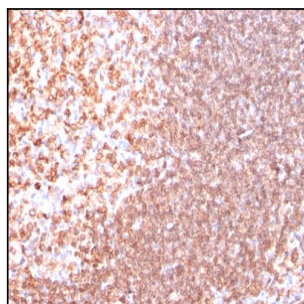


Figure-1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Ab (SPM523).