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36-1977: Monoclonal Antibody to CD74 (B-Cell Marker)(LN-2 + CLIP/813)

Clonality :	Monoclonal
Clone Name :	LN-2 + CLIP/813
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	CD74
Gene ID :	972
Uniprot ID :	P04233
Format :	Purified
Isotype :	Mouse IgG1, kappa + Mouse IgG1, kappa
Immunogen Information :	SU-DHL-4 lymphoma cells (LN-2); Recombinant full-length human CD74 protein (CLIP/813)

Description

It recognizes a protein of ~35kDa, identified as CD74. It 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

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	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);

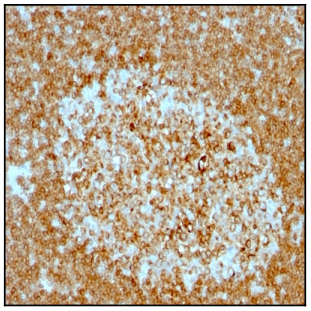

Figure-1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Monoclonal Antibody (LN-2 + CLIP/813).

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