

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

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| 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

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| 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°C followed by cooling at RT for 20 minutes);

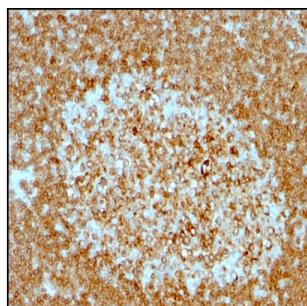


Figure-1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Monoclonal Antibody (LN-2 + CLIP/813).