

### 36-3035: Monoclonal Antibody to CD74w (Clone: LN-2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	LN-2
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD74
<b>Gene ID :</b>	972
<b>Uniprot ID :</b>	P04233
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD74,DHLAG
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	SU-DHL-4 lymphoma cells were used as the immunogen for the CD74 antibody.

#### Description

CD74, a Type-II transmembrane protein, is a unique member of RIP-processed protein family. It consists of an extracytoplasmic domain, a transmembrane segment and an intracytoplasmic domain. It is expressed in B-cells, monocytes, macrophages and other Class II MHC expressing cells. CD74 associates with alpha and beta chains of HLA-DR (MHC class II) and directs intracellular sorting of MHC class II molecules. It has a prominent role in antigen presentation and as an accessory signaling molecule. Cell-surface CD74 binds to MIF and its expression is required for MIF-mediated ERK1/2-phosphorylation, PGE2 production and cell proliferation. CD74 regulates B-cell differentiation and acts as a survival receptor through activation of NF- $\kappa$ B p65/RelA homodimer. Pathological role of CD74 has been identified in different cancers including Multiple Myeloma.

#### Product Info

<b>Amount :</b>	100 $\mu$ g
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 $\mu$ g in 50 $\mu$ l/100 $\mu$ g in 200 $\mu$ l 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)(Methanol Fixed),Immunofluorescence (1-4ug/ml),Western Blot (2-4ug/ml)

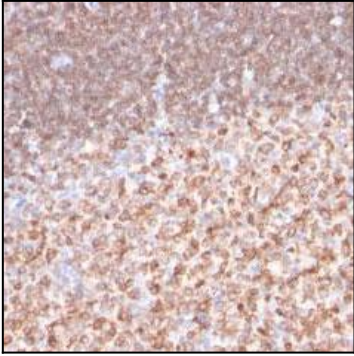


Fig: 1 Immunohistochemical analysis of CD74w in human tonsil tissue using CD74w antibody (Clone: LN-2) at 1: 200 dilution.