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

Clonality :	Monoclonal
Clone Name :	LN-2
Application :	FACS
Reactivity :	Human
Gene :	CD74
Gene ID :	972
Uniprot ID :	P04233
Format :	Purified
Alternative Name :	CD74,DHLAG
Isotype :	Mouse IgG1, kappa
Immunogen Information :	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-kB p65/RelA homodimer. Pathological role of CD74 has been identified in different cancers including Multiple Myeloma.

Product Info

Amount :	100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 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)(Methanol Fixed),Immunofluorescence (1-4ug/ml),Western Blot (2-4ug/ml)

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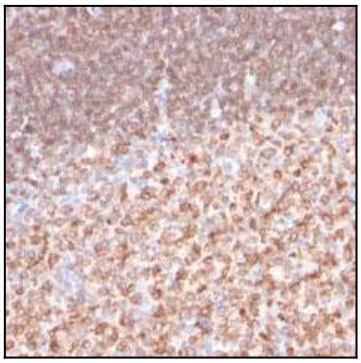


Fig: 1 Immunohistochemical analysis of CD74w in human tonsil tissue using CD74w antibody (Clone: LN-2) at 1: 200 dilution.

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