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30-2762: Anti-Hu CD74 Purified

Clonality :	Monoclonal
Clone Name :	LN2
Application :	WB, IHC, ICC, FACS, IP
Reactivity :	Human
Gene :	CD74
Gene ID :	972
Uniprot ID :	P04233
Format :	Purified
Alternative Name :	CD74 molecule p33, DHLAG, HLADG, Ia-gamma
Immunogen Information :	SU-DHL-4 lymphoma cells

Description

CD74 (the MHC II-associated invariant chain, Ii) is a type II transmembrane protein expressed in antigen-presenting cells, that serves as MHC II chaperone which promotes MHC II trafficking from the ER to endocytic compartments, prevents peptide binding in the ER and contributes to peptide editing in the MHC II compartment; it is also an accessory signaling molecule implicated e.g. in malignant B cell proliferation. Stimulation of cell surface CD74 leads to NFkappaB activation, which enables entry of the stimulated cell into the S phase. CD74 binds pro-inflammatory cytokine MIF with high affinity and interacts with CD44. Binding of Vpu, an HIV1 protein, to CD74 modulates MHC II presentation.
Specificity :The antibody LN2 recognizes an extracellular epitope of CD74 (the MHC II-associated invariant chain, Ii), a type II transmembrane protein expressed in antigen-presenting cells, as well as e.g. on activated neoplastic cells in T cell lymphomas, in lymph node germinal center, mantle zone B cells, histiocytes, interdigitating reticulum cells, Langerhans cells, thymic dendritic cells and peripheral blood B lymphocytes.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 2-5 Ã□Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.