



Antibodies

1P-500-T100

Monoclonal Antibody to CD74 Phycoerythrin (PE) conjugated (100 tests)

Clone:	LN2
Isotype:	Mouse IgG1
Specificity:	The antibody LN2 is specific to CD74. It also reacts with activated neoplastic cells in T cell lymphomas, lymph node germinal center, mantle zone B cells, histiocytes, interdigitating reticulum cells, Langerhans cells, thymic dendritic cells and peripheral blood B lymphocytes. HLDA IV; WS Code B 129 HLDA V; WS Code B CD74.3
Immunogen:	SU-DHL-4 lymphoma cells
Species Reactivity:	Human, Other not tested
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD74 (the MHC II-associated invariant chain, Ii) is an 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 NFκB 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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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