Mouse Anti-Human CD74

Overview

Clone LN2
Isotype Mouse (BALB/c) IgG1 κ
Immunogen Cell line SU-DHL-4 nuclei
Specificity Human CD74; Mr 41, 35, 33 kDa
Alternate Name(s) Invariant chain, Ii, class II-specific chaperone
Workshop IV B129; V CD74.3

Description

CD74 represents a type II integral membrane protein known as MHC class II-associated invariant chain. It is moderately expressed on B cells and weakly on monocytes and macrophages. CD74 is also found on a subset of activated T cells, Langerhans cells, dendritic cells, and some epithelial cells. CD74 may play a role in antigen processing and presentation through intracellular transport and expression of class II molecules on the cell surface.

Applications

FC – Quality tested 4,6,10,11
IHC-FS – Reported in literature 1,2
IHC-PS – Reported in literature 1,3-5
ICC – Reported in literature 1,6
IP – Reported in literature 1,6
WB – Reported in literature 7
Block – Reported in literature 8,9

Working Dilutions

Flow Cytometry
Purified (UNLB) antibody
≤ 1 μg/10⁶ cells
FITC, BIOT, and PE conjugates
10 μL/10⁶ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

Other Applications
Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. **No preservatives or amine-containing buffer salts added.** Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References