

Technical Data Sheet

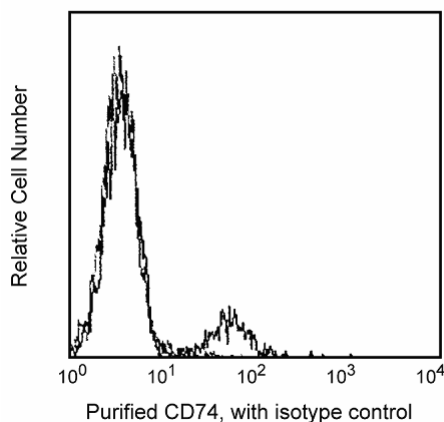
Purified Mouse Anti-Human CD74

Product Information

Material Number:	555612
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	LN2
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Human
Workshop:	V CD74.3
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with the cell surface MHC class II-associated invariant chain molecule (41, 35, 33 kDa). CD74 is moderately expressed on B cells, and weakly on monocytes and macrophages. Other reactive cells include Langerhans cells, dendritic cells, a subset of activated T cells and thymic epithelium. LN2 monoclonal antibody labels a nuclear membrane protein of follicular center and mantle zone B cells and a cytoplasmic protein of cells which bind HLA class II antibodies. CD74 is postulated to play a role in antigen processing and presentation through intracellular transport and expression of class II molecules on the cell surface. This antibody is suitable for staining formalin-fixed, paraffin-embedded tissue sections without citrate pretreatment.



Profile of peripheral blood lymphocytes analyzed on a FACScan™ (BDIS, San Jose, CA).

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunohistochemistry-frozen	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
555746	Purified Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Clone-specific)