

Technical Data Sheet

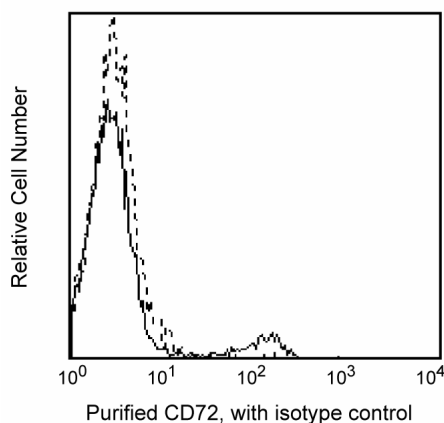
Purified Mouse Anti-Human CD72

Product Information

| | |
|------------------|--|
| Material Number: | 555917 |
| Size: | 0.1 mg |
| Concentration: | 0.5 mg/ml |
| Clone: | J4-117 |
| Isotype: | Mouse IgG2b, κ |
| Reactivity: | QC Testing: Human |
| Workshop: | NA |
| Storage Buffer: | Aqueous buffered solution containing $\leq 0.09\%$ sodium azide. |

Description

Reacts with a 39-43 kDa type II integral membrane protein expressed on B cells from early precursor stages through mature B cells. CD72 is not expressed on plasma cells. CD72 has been reported to bind to CD5, a glycoprotein expressed on all mature T cells and a subpopulation of B cells, suggesting a role in regulating T- and B-cell activation and proliferation



Intensity 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 |
|----------------|------------------|

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|---|--------|------------|
| 555740 | Purified Mouse IgG2b κ Isotype Control | 0.1 mg | 27-35 |
| 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/pharmlngen/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 SF, Boumsell L, Gilks W, et al, ed. *Leukocyte Typing V: White Cell Differentiation Antigens*. New York: Oxford University Press; 1995.(Biology)
Pesando JM, Stucki MA. AFTR: a fifth human B-cell-specific surface antigen. *Hum Immunol*. 1990 March; 37(3):193-207.(Biology)