

## Technical Data Sheet

## Biotin Rat Anti-Mouse CD229.1

## Product Information

Material Number:	557363
Alternate Name:	Ly-9.1
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	30C7
Immunogen:	SJL/J mouse splenocytes
Isotype:	Rat (LOU) IgG2a, $\kappa$
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The 30C7 antibody reacts with CD229.1, the Ly-9.1 (Lgp-100a) surface glycoprotein alloantigen found on most thymocytes, peripheral T and B cells, bone marrow lymphoid cells, hematopoietic progenitors, and lymphomas of most strains (e.g., AKR, Balb/c, CBA, SJL). 30C7 mAb does not react with the Ly-9.2 alloantigen expressed on mice derived from the C57/J line (e.g., C57BL, C57BR, C57L, C58).

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

## Application Notes

## Application

Flow cytometry	Routinely Tested
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## Suggested Companion Products

Catalog Number	Name	Size	Clone
553928	Biotin Rat IgG2a $\kappa$ Isotype Control	0.25 mg	R35-95

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/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

Lanier LL, Warner NL, Ledbetter JA, Herzenberg LA. Quantitative immunofluorescent analysis of surface phenotypes of murine B cell lymphomas and plasmacytomas with monoclonal antibodies. *J Immunol.* 1981; 127(4):1691-1697.(Biology)  
 Ledbetter JA, Herzenberg LA. Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens. *Immunol Rev.* 1979; 47:63-90.(Biology)  
 Miller BA, Antognetti G, Springer TA. Identification of cell surface antigens present on murine hematopoietic stem cells. *J Immunol.* 1985; 134(5):3286-3290. (Biology)

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