

Technical Data Sheet

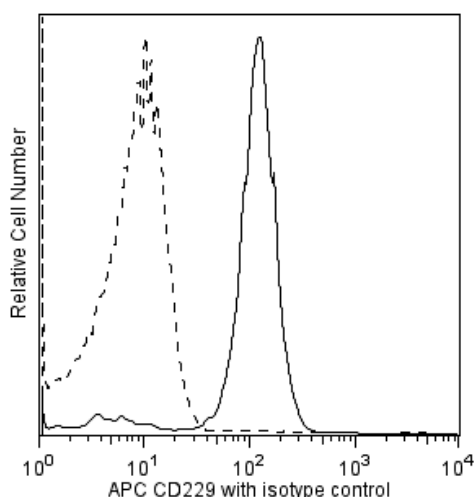
APC Rat anti-Mouse CD229.1

Product Information

Material Number:	560188
Alternate Name:	Ly-9.1
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	30C7
Immunogen:	SJL/J mouse splenocytes
Isotype:	Rat (LOU) IgG2a, κ
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).



Flow cytometric analysis of APC-conjugated anti-mouse CD229.1 on mouse splenocytes.

Splenocytes from BALB/c mice were stained with APC anti-mouse CD229.1 (clone 30C7, Cat. No. 560188) and compared to splenocytes stained with an APC rat IgG2a isotype control (clone R35-95, Cat. No. 553932). The isotype control is represented by a dashed line and the APC anti-mouse CD229.1 by the solid line. Flow cytometry was performed on a BD FACSCalibur™ System.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
553932	APC Rat IgG2a κ Isotype Control	0.1 mg	R35-95

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. 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.
3. This APC-conjugated reagent can be used in any flow cytometer equipped with a dye, HeNe, or red diode laser.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
5. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

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Ledbetter JA, Goding JW, Tsu TT, Herzenberg LA. A new mouse lymphoid alloantigen (Lgp100) recognized by a monoclonal rat antibody. *Immunogenetics.* 1979; 8(1):347-360. (Immunogen)

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