

Technical Data Sheet

APC Rat Anti-Mouse IgM

Product Information

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| Material Number: | 550676 |
| Size: | 0.1 mg |
| Concentration: | 0.2 mg/ml |
| Clone: | II/41 |
| Immunogen: | Not reported |
| Isotype: | Rat IgG2a, κ |
| Reactivity: | QC Testing: Mouse |
| Storage Buffer: | Aqueous buffered solution containing $\leq 0.09\%$ sodium azide. |

Description

The II/41 clone has been reported to react specifically with mouse IgM of Igh-C[a] and Igh-C[b] haplotypes. It has been reported not to react with other Ig isotypes. In addition, the II/41 clone has been reported not to stimulate B-cell proliferation.

Preparation and Storage

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.

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

Application Notes

Application

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| Flow cytometry | Routinely Tested |
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Recommended Assay Procedure:

For flow cytometric detection of intracytoplasmic IgM, the use of FITC-conjugated rat anti-mouse IgM (clone II/41) (Cat. No. 553437) is recommended.

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|--|--------|--------|
| 553437 | FITC Rat Anti-Mouse IgM | 0.5 mg | II/41 |
| 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

Laszlo G, Hathcock KS, Dickler HB, Hodes RJ. Characterization of a novel cell-surface molecule expressed on subpopulations of activated T and B cells. *J Immunol.* 1993; 150(12):5252-5262. (Clone-specific)

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