

## Technical Data Sheet

## PE Anti-Mouse IgM[a]

## Product Information

Material Number:	553517
Alternate Name:	Igh-6a
Size:	0.2 mg
Concentration:	0.2 mg/ml
Clone:	DS-1
Immunogen:	Mouse NMRI Monoclonal Antibody TC31
Isotype:	Mouse (C57BL/6) IgG1, $\kappa$
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The DS-1 antibody reacts specifically with mouse IgM of *Igh-C[a]* and related haplotypes (e.g., BALB/c, C58, CBA, C3H/Bi, C3H/He, DBA/1, DBA/2). It does not react with IgM of *Igh-C[b]*, *Igh-C[e]*, or related haplotypes (e.g., C57BL, SJL, A, AKR, NZB). DS-1 antibody does not react with free  $\mu$  heavy chain in vitro or in the cytoplasm of pre-B lymphocytes, which lack Ig light chain. It has not been shown 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 with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

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

## Application Notes

## Application

Flow cytometry	Routinely Tested
Immunofluorescence	Tested During Development

## Suggested Companion Products

Catalog Number	Name	Size	Clone
550617	PE Mouse IgG1, $\kappa$ Isotype Control	0.1 mg	MOPC-31C

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at [www.bdbiosciences.com/colors](http://www.bdbiosciences.com/colors).
3. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
4. 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

Stall AM. Mouse immunoglobulin allotypes. In: Herzenberg LA, Weir DM, Blackwell C, ed. *Weir's Handbook of Experimental Immunology*. Blackwell Science Publishers; 1996:27.1-27.16. (Biology)

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