

Technical Data Sheet

Biotin Mouse Anti-Mouse IgG2a[a]**Product Information**

Material Number:	553502
Alternate Name:	Igh-1a
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	8.3
Isotype:	Mouse (SJL) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The 8.3 antibody reacts specifically with mouse IgG2a of *Igh-Ca* and the *d*, *e*, *f*, *g*, *h*, *j*, *n*, and *o* haplotypes (eg, BALB/c, C58, and A, AKR, CBA, C3H/He, NZB). It does not react with IgG2a of *Igh-Cb* nor the *c* and *p* haplotypes (eg, C57BL/6, C57BL/10, SJL, DBA/1, DBA/2, SWR).

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**

ELISA	Routinely Tested
Flow cytometry	Routinely Tested

Recommended Assay Procedure:

Biotinylated 8.3 mAb may be used as a secondary reagent in immunofluorescent staining with flow cytometric analysis. Note: The isotype of clone 8.3 is mouse (SJL) IgG2a[b], κ .

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 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

Huang CM, Parsons M, Oi VT, Huang HJ, Herzenberg LA. Genetic characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. *Immunogenetics*. 1983; 18(4):311-321.(Clone-specific)
 Parsons M, Oi VT, Huang CM, Herzenberg LA. Structural characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. *Immunogenetics*. 1983; 18(4):323-334.(Clone-specific)

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