Technical Data Sheet

Purified Mouse Anti-Mouse IgG2a[a]

Product Information

Material Number:	**553501**
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 ≤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.
Store undiluted at 4°C.

Application Notes

Application

ELISA	Routinely Tested

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.
4. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

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)

BD Biosciences
bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit **bdbiosciences.com/how_to_order/**