

Technical Data Sheet

Purified Rat Anti-Mouse IgA

Product Information

Material Number:	556960
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	C10-1
Immunogen:	Pooled mouse IgA
Isotype:	Rat (LOU) IgG1, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The C10-1 antibody reacts specifically with mouse IgA of *Igh-C[a]* and *Igh-C[b]* haplotypes. It does not react with other Ig isotypes. Detection of surface immunoglobulin on B lymphoma cells has been demonstrated with C10-1 mAb.

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
Flow cytometry	Tested During Development
Immunohistochemistry-frozen	Tested During Development

Recommended Assay Procedure:

For the sandwich mouse IgA ELISA, biotinylated C10-1 mAb (Cat. no. 556978) is optimal for detection with purified antimouse IgA C10-3 mAb (Cat. no. 556969) for capture. Purified C10-1 mAb may be used as a primary reagent in immunofluorescent staining and immunohistochemical staining of acetone-fixed frozen sections. For flow cytometric detection of intracytoplasmic IgA, we recommend FITCconjugated mAb C10-3 (Cat. no. 559354).

Suggested Companion Products

Catalog Number	Name	Size	Clone
556978	Biotin Rat Anti-Mouse IgA	0.5 mg	C10-1
556969	Purified Rat Anti-Mouse IgA	0.5 mg	C10-3
559354	FITC Rat Anti-Mouse IgA	0.5 mg	C10-3

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. 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.
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.

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/

Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BD Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Becton Dickinson and Company is strictly prohibited.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

BD, BD Logo and all other trademarks are the property of Becton, Dickinson and Company. ©2008 BD

