

Technical Data Sheet

Purified Rat Anti-Mouse IgG1

Product Information

Material Number:	553440
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	A85-1
Immunogen:	Pooled Mouse IgG1
Isotype:	Rat (LOU) IgG1, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The A85-1 antibody reacts specifically with mouse IgG1 of Igh-Ca and Igh-Cb haplotypes. It does not react with other Ig isotypes. Detection of surface immunoglobulin on B lymphoma cells has been demonstrated with A85-1 mAb. A suspension of pooled mouse IgG1 was used as the source of immunogen.

Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes

Application

ELISA	Routinely Tested
Immunocytochemistry	Tested During Development
Flow cytometry	Tested During Development

Recommended Assay Procedure:

Immunofluorescent staining: For flow cytometric detection of intracytoplasmic IgG1, we recommend the directly conjugated clone, FITC-conjugated mAb A85-1 (Cat. No. 553443).

ELISA: For the sandwich mouse IgG1 ELISA, biotinylated A85-1 mAb (Cat. No. 553441) is optimal for detection with purified anti-mouse IgG1 A85-3 mAb (Cat. No. 553445) for capture.

IHC: For Immunohistochemical staining the Biotinylated clone A85-1 is recommended, Cat. No. 550331

Suggested Companion Products

Catalog Number	Name	Size	Clone
553443	FITC Rat Anti-Mouse IgG1	0.5 mg	A85-1
554058	Avidin-Horseradish Peroxidase (HRP)	1.0 ml	(none)
554066	Streptavidin HRP	1.0 ml	(none)
553441	Biotin Rat Anti-Mouse IgG1	0.5 mg	A85-1
553445	Purified Rat Anti-Mouse IgG1	0.5 mg	A85-3

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. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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