

Technical Data Sheet

FITC Mouse Anti-Rat CD32

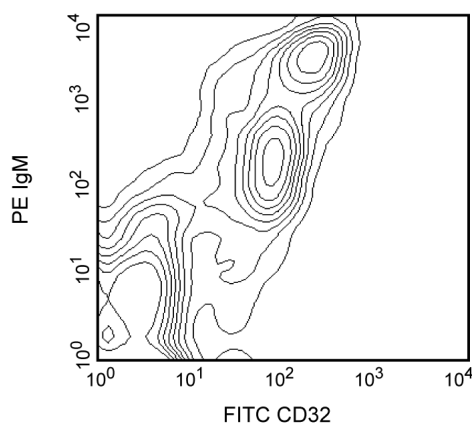
Product Information

Material Number:	550272
Alternate Name:	FcγII Receptor
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	D34-485
Immunogen:	Recombinant Rat CD32 Protein
Isotype:	Mouse (BALB/c) IgG1, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The D34-485 antibody reacts specifically with CD32, the FcγII receptor. Rat CD32 is expressed on B lymphocytes, myeloid cells, and some lymphocytes in the thymic medulla. D34-485 mAb blocks binding of aggregated immunoglobulins to the FcγII receptors in vitro.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Two-color analysis of the expression of CD32 on rat splenocytes. Lewis rat splenocytes were simultaneously stained with FITC-conjugated mAb D34-485 and PE-conjugated anti-rat IgM mAb G53-238 (Cat. No. 553888). Double-positive cells are B lymphocytes (IgM+ cells), which express CD32 on the cell surface. Flow cytometry was performed on a BD FACScan™ flow cytometry system.

Preparation and Storage

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

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

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

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
550616	FITC Mouse IgG1, κ Isotype Control	0.25 mg	MOPC-31C
553888	PE Mouse Anti-Rat IgM	0.2 mg	G53-238

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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.