Technical Data Sheet

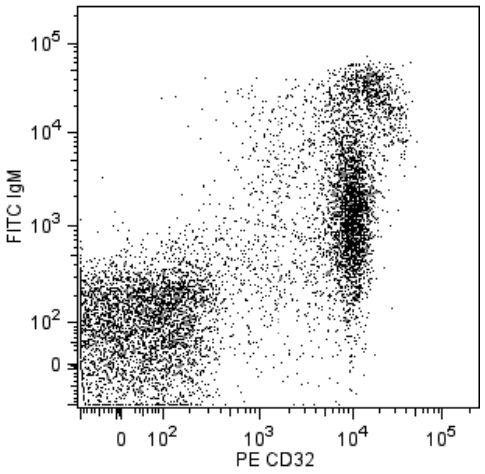
PE Mouse Anti-Rat CD32

Product Information

Material Number:	**562189**
Alternate Name:	Fcgr2b; FcRII; Fc-gamma RII; FcγRII; FcγII receptor
Size:	50 µg
Concentration:	0.2 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 monoclonal 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.



Flow cytometric analysis of CD32 on rat splenocytes. *Lewis rat splenocytes were simultaneously stained with a FITC Mouse Anti-Rat IgM antibody (Cat. No. 553887) and a PE Mouse Anti-Rat CD32 antibody (Cat. No. 562189). A flow cytometric fluorescence dot plot showing CD32 versus IgM expression were derived from gated events with the forward and side light-scatter characteristics of viable splenocytes. Flow cytometry was performed using a BD™ LSR II Flow Cytometer System.*

Preparation and Storage

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

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

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Application

Flow cytometry	Routinely Tested

Recommended Assay Procedure:

Suggested Companion Products

Catalog Number	Name	Size	Clone
554656	Stain Buffer (FBS)	500 ml	(none)
553887	FITC Mouse Anti-Rat IgM	0.5 mg	G53-238
550617	PE Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-31C

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Product Notices

1. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
4. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
5. An isotype control should be used at the same concentration as the antibody of interest.

References

Mara-Koosham G, Hutt JA, Lyons CR, Wu TH. Antibodies contribute to effective vaccination against respiratory infection by type A Francisella tularensis strains. *Infect Immun.* 2011; 79(4):1770-1778. (Clone-specific: Blocking)

Yrlid U, Cerovic V, Milling S, Jenkins CD, Klavinskis LS, MacPherson GG. A distinct subset of intestinal dendritic cells responds selectively to oral TLR7/8 stimulation. *Eur J Immunol.* 2006; 36(10):2639-2648. (Clone-specific: Flow cytometry)