Technical Data Sheet

PE Rat Anti-Mouse CD16/CD32

Product Information

Material Number: 561727

Alternate Name: FcyRIII/FcyRII; Fcgr3/Fcgr2

Size 50 µg 0.2 mg/ml Concentration: Clone: 2.4G2

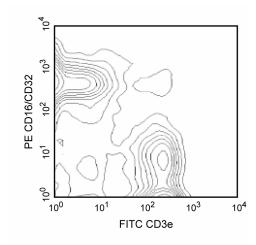
Mouse BALB/c Macrophage J774 Immunogen:

Isotype: Rat (SD) IgG2b, κ Reactivity: QC Testing: Mouse

Storage Buffer: Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The 2.4G2 antibody reacts specifically with a common nonpolymorphic epitope on the extracellular domains of the mouse FcyIII and FcyII receptors. It has also been reported to bind the FcyI receptor (CD64) via its Fc domain. 2.4G2 mAb blocks non-antigen-specific binding of immunoglobulins to the FcyIII and FcyII, and possibly FcyI, receptors in vitro and in vivo. CD16 and/or CD32 are expressed on natural killer cells, monocytes, macrophages, dendritic cells (at low levels), Kupffer cells, granulocytes, mast cells, B lymphocytes, immature thymocytes, and some activated mature T lymphocytes.



Two color analysis of the expression of CD16/CD32 on mouse spleen cells. C57BL/6 splenocytes were simultaneously stained with FITC Hamster anti-Mouse CD3e (Cat. No. 553061) and biotinylated 2.4G2 mAb, followed by Avidin-PE (Cat. No. 554061). Flow cytometry was performed on a BD FACScan™ flow cytometry 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 cyto	etry Routine	ly Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
553989	PE Rat IgG2b, κ Isotype Control	0.1 mg	A95-1
554656	Stain Buffer (FBS)	500 ml	(none)
553061	FITC Hamster Anti-Mouse CD3e	0.1 mg	145-2C11

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- 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.

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- 4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
- 5. An isotype control should be used at the same concentration as the antibody of interest.

References

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