

## Biotin Anti-Mouse CD16/32 Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M10161-08B	50 µg
M10161-08E	500 µg

**Market** | 400-621-0003  
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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

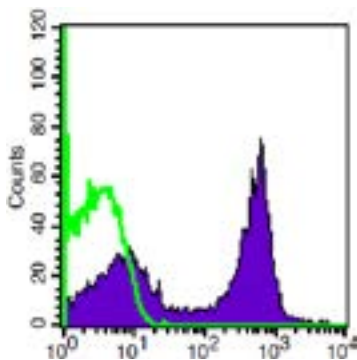
### Purified Antibody Characterization

Clone	Isotype	Reactivity
2.4G2	Rat IgG2b	Mouse

### Description

The 2.4G2 antibody reacts specifically with a common nonpolymorphic epitope on the extracellular domains of the mouse FcγIII and FcγII receptors. It has also been reported to bind the FcγI receptor (CD64) via its Fc domain. 2.4G2 mAb blocks non-antigen-specific binding of immunoglobulins to the FcγIII and FcγII, and possibly FcγI, 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.

### Illustration of Immunofluorescent Staining



#### Log Fluorescence Intensity

C57BL/6 mouse splenocytes stained with Biotin anti-mouse CD16/32, followed by PE-SA

### Product Information

**Conjugation:** Biotin

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Concentration:** 0.5 mg/ml

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used  $\leq 0.25$  µg /10<sup>6</sup> cells in 100 µl). Since applications vary, the appropriate dilutions must be determined for individual use.

### References

- [1] Araujo-Jorge T, Rivera MT, el Bouhdidi A, Daeron M, Carlier Y. An Fc gamma RII-, Fc gamma RIII-specific monoclonal antibody (2.4G2) decreases acute Trypanosoma cruzi infection in mice. *Infect Immun.* 1993; 61(11):4925-4928.(Clone-specific)
- [2] Benhamou M, Bonnerot C, Fridman WH, Daeron M. Molecular heterogeneity of murine mast cell Fc gamma receptors. *J Immunol.* 1990; 144(8):3071-3077.
- [3] Mellman IS, Unkeless JC. Purification of a functional mouse Fc receptor through the use of a monoclonal antibody. *J Exp Med.* 1980; 152(4):1048-1069.

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