

Anti-CD16/CD32 [2.4G2] Vivopure 10 mg Ab00123-8.1-VPT

Isotype and Format: Rat IgG2b, Kappa

Clone Number: 2.4G2

Alternative Name(s) of Target: Fcγ III/II Receptor; Low affinity immunoglobulin gamma Fc region receptor III; IgG Fc receptor III; Fc-gamma RIII; FcRIII; CD16; Low affinity immunoglobulin gamma Fc region receptor II; Fc gamma receptor IIB; Fc-gamma RII; Fc-gamma-RIIB; FcRII IgG Fc rec

UniProt Accession Number of Target Protein: P08508; P08101

Published Application(s): IP, Block, FC, IF, IHC

Published Species Reactivity: Mouse

Immunogen: Mouse BALB/c Macrophage J774 Cell Line.

Specificity: This antibody binds to an epitope on the extracellular domains of the mouse FcγIII and FcγII, thereby inhibiting their ability to bind antibodies via their Fc region. receptors. Also binding the FcγI receptor (CD64) via its Fc domain.

Application Notes: This antibody binds murine Fc Receptors CD16/CD32 and inhibits binding of antibodies to these. It can therefore be used as an Fc-blocking reagent, to reduce non-specific staining of cells by antibodies binding via their Fc-region. A similar effect can be achieved using the Fc Silent range of antibodies made by Absolute Antibody that prevent these interactions at the level of the Fc receptor binding site, which has been mutated to lack affinity for the Fc receptors.

Antibody First Published in: Unkeless JC. Characterization of a monoclonal antibody directed against mouse macrophage and lymphocyte Fc receptors. J Exp Med. 1979 Sep 19;150(3):580-96. [PMID:90108](#)

Note on publication: Describes the generation of rat monoclonal antibodies directed against the mouse FcγIII and FcγII receptors.

Product Form

Size: 10 mg Vivopure products are produced at high purity (>98%), low endotoxin (<0.5 EU/mg) and are formulated without preservatives. As a result Vivopure products are the ideal choice for in vivo research applications.

Purification: Protein A affinity purified

Supplied In: PBS only, with >98% antibody purity and <1 EU/mg guaranteed.

Storage Recommendation: All vivopure products are formulated in PBS only without addition of preservatives. To ensure optimal storage and prevent microbial contamination, only open and dispense

under sterile conditions.

Concentration: $\geq 1\text{mg}$ (see vial label for exact conc)

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.