CD16/CD32 Antibody – Rat Monoclonal

PRODUCT OVERVIEW

Product Name	CD16/CD32, Monoclonal Antibody
Full Product Name	Anti-Mouse CD16/CD32 PE-Cyanine7
Product Gene Name	anti-CD16/CD32 antibody
Clonality	Monoclonal
Isotype	Rat IgG2b
Clone Number	2.4G2
Host	Rat
Species Reactivity	Mouse
Form/Format	Phosphate-buffered aqueous solution, <=0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
Purity/Purification	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
Preparation and Storage	The product should be stored undiluted at 4 degree C and should be protected from prolonged exposure to light.
Conjugation	PE-Cyanine7
Applications Tested/Suitable for anti-CD16/CD32 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD16/CD32 antibody	The 2.4G2 monoclonal antibody specifically reacts with an epitope on the extracellular domain of the mouse CD16 (Fc gamma III) and CD 32 (Fc gamma II). CD16 and CD32 are low affinity receptors for the IgG Fc domain and are expressed by B lymphocytes, NK cells, kupffer cells, mast cells, monocytes, macrophages, granulocytes, immature thymocytes, neutrophils, and some activated mature T cells. The 2.4G2 antibody blocks the binding of immunoglobulins to CD16 and CD32, and possibly to Fc gamma I receptor.
Product References and Citations for anti-CD16/CD32 antibody	Araujo-Jorge, T. A. N. I. A., Rivera, M. T., el Bouhdidi, A. Y. A. C. H. I., Daëron, M. A. R. C., & Carlier, Y. (1993). An Fc gamma RII-, Fc gamma RIII-specific monoclonal antibody (2.4 G2) decreases acute Trypanosoma cruzi infection in mice. Infection and immunity, 61(11), 4925-4928. Jensen, W. A., Marschner, S., Ott, V. L., & Cambier, J. C. (2001). FcgammaRIIB-mediated inhibition of T-cell receptor signal transduction involves the phosphorylation of SH2-containing inositol 5-phosphatase (SHIP), dephosphorylation of the linker of activated T-cells (LAT) and inhibition of calcium mobilization. Biochemical Society Transactions, 29(Pt 6), 840-846. Vremec, D., Zorbas, M., Scollay, R., Saunders, D. J., Ardavin, C. F., Wu, L., & Shortman, K. (1992). The surface phenotype of dendritic cells purified from mouse thymus and spleen: investigation of the CD8 expression by a subpopulation of dendritic cells. The Journal of experimental medicine, 176(1), 47-58.
Other Notes	Small volumes of anti-CD16/CD32 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD16/CD32 purchase	MBS696804 is an antibody targeting CD16/CD32. Also known as Anti-Mouse CD16/CD32 PE-Cyanine7. Reactive in Mouse. Host: Rat.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/monoclonal-mouse-antibody/cd16-cd32/696804