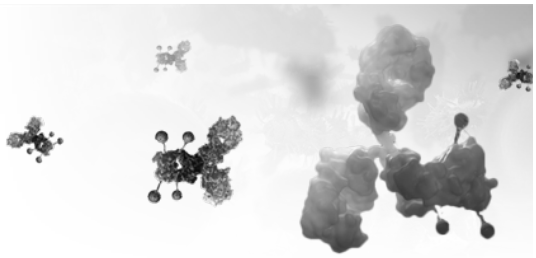

Rat Anti-Mouse CD32 Monoclonal antibody, clone 2.4G2 (CABT-LS525)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Recognizes the FcγII and FcγIII receptors The 2.4G2 monoclonal antibody reacts specifically with mouse CD16 (FcγRIII) and CD32 (Fcγ RII). It has also been reported to react non-specifically via its Fc domain to FcγRI. The 2.4G2 antibody is commonly used in flow cytometry and immunofluorescence staining experiments to prevent non-specific binding of the Fc portion of IgG to the FcγIII and FcγII, and possibly FcγI, receptors prior to staining with antigen specific primary antibodies. The complete antibody and Fab fragments of the 2.4G2 antibody have also been used to block Fc receptors in vivo. Note that when 2.4G2 is used for Fc blocking in immunoassays and an anti-IgG secondary-step is necessary, the secondary antibody must not be anti-rat IgG2b.
Target	CD32 & CD16
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	2.4G2
Purification	Purified using multi-step affinity chromatography
Conjugate	unconjugated
Applications	WB, FC, IHC, IP
Format	Liquid
Size	1 mg, 5 mg, 25 mg
Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein,

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	potassium or preservatives added. BSA and Azide free.
Preservative	None
Storage	Stable for at least four (4) weeks when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at –80°C. Avoid Repeated Freeze Thaw Cycles.

BACKGROUND

Introduction	CD16 is a low-affinity IgG Fc receptor III and CD32 is FcR II. CD16/CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. The Fc receptors bind antibody-antigen immune complexes and mediate adaptive immune responses. Clone 2.4G2 antibody is used in flow cytometry staining experiments to prevent non-specific binding of IgG to the FcγIII and FcγII, and possibly FcγI, receptors prior to staining with antigen-specific primary antibodies. The Fab fragments of the 2.4G2 antibody have also been used to block Fc receptors in vivo.
Keywords	FCGR2B; Fc fragment of IgG, low affinity IIb, receptor (CD32); CD32; FCG2; CD32B; FCGR2; IGFR2; low affinity immunoglobulin gamma Fc region receptor II-b; CDw32; fcRII-b

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