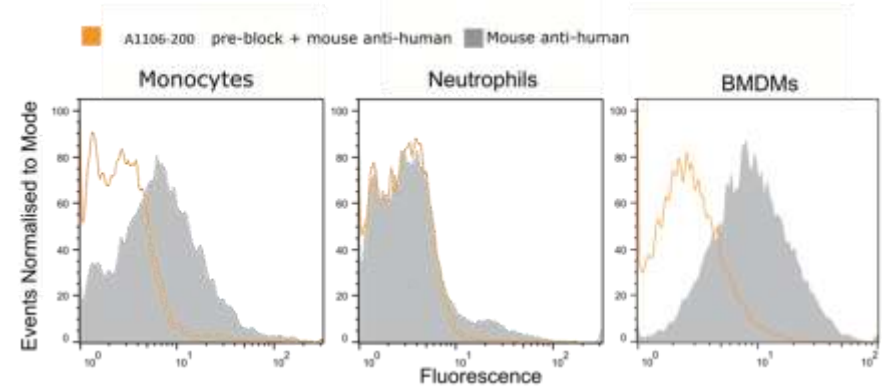


Anti-CD16/CD32, Rat IgG2b Antibody

CATALOG NO:	A1106-200
AMOUNT:	200 µg
ALTERNATE NAME:	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 receptor II beta; Lymphocyte antigen 17; Ly-17; CD32
ISOTYPE / FORMAT:	Rat IgG2b, kappa
CLONALITY:	Monoclonal
CLONE:	2.4G2
IMMUNOGEN:	Mouse BALB/c Macrophage J774 Cell Line.
SPECIES REACTIVITY:	Mouse
FORM:	Liquid
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.
PURIFICATION:	Affinity purified using Protein A
FORMULATION:	Supplied in PBS with preservative (0.02% Proclin 300)
STORAGE CONDITIONS:	Store at 4°C for upto 3 months. For long term storage, aliquot and freeze at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	Recombinant monoclonal antibody to CD16/CD32. Manufactured using recombinant technology with variable regions (i.e. specificity) from the hybridoma 2.4G2. 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.
APPLICATION:	FC; IF; IP; IHC; Block
REFERENCE:	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.



Blocking of Fc-receptors by anti-CD16/32 antibody. *Ex vivo* murine (C57BL6/J) monocytes and neutrophils (from zymosan-elicited peritoneal exudate, left and middle panel) as well as bone marrow-derived macrophages (BMDMs, right panel) were stained with a murine anti-human antibody (fluorescently labelled human-specific anti-CD16) with or without pre-incubation with anti-mouse CD16/CD32 (Fc-receptors) antibody (A1106, clone 2.4G2). Pre-incubation of cells with anti-CD16/CD32 reduced non-specific binding of the fluorescently labelled antibody to all cell types analyzed and shows that this anti-CD16/CD32 antibody acts as an Fc-blocking reagent.

RELATED PRODUCTS:

- Anti-VEGF (Bevacizumab), humanized Antibody (**Cat. No. A1045-100**)
- Anti-HER2 (Trastuzumab), humanized Antibody (**Cat. No. A1046-100**)
- Anti-EGFR (Cetuximab), Chimeric Antibody (**Cat. No. A1047-100**)
- Anti-TNF-α (Adalimumab), humanized Antibody (**Cat. No. A1048-100**)
- Anti-CD20 (Rituximab), Chimeric Antibody (**Cat. No. A1049-100**)
- Anti-EGFR (Panitumumab), humanized antibody (**Cat. No. A1050-100**)
- Anti-OX40L (Oxelumab), humanized Antibody (**Cat. No. A1088-200**)
- Anti-CD11a (Efalizumab), humanized Antibody (**Cat. No. A1089-200**)
- Anti-EGFR (Matuzumab), humanized Antibody (**Cat. No. A1090-200**)
- Anti-CD4 (Clenoliximab), humanized Antibody (**Cat. No. A1091-200**)
- Anti-alpha 5 beta 1 Integrin (Volociximab), humanized Antibody (**Cat. No. A1092-200**)
- Anti-TNF alpha (Humicade), humanized Antibody (**Cat. No. A1093-200**)
- Anti-CD40L (Ruplizumab), humanized Antibody (**Cat. No. A1094-200**)
- Human IgG1, κ Isotype Control Antibody (**Cat. No. A1100-200**)

FOR RESEARCH USE ONLY! Not to be used on humans.