

Product Datasheet

Anti-CD16/CD32 [2.4G2] (orb348903)

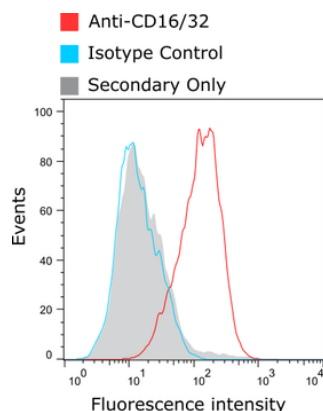
Description	Rabbit monoclonal antibody to CD16/CD32
Species/Host	Rat
Reactivity	Mouse
Conjugation	Unconjugated
Tested Applications	Blocking, FC, IF, IHC, IP
Immunogen	Mouse BALB/c Macrophage J774 Cell Line.
Target	CD16/CD32
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Isotype	Rat IgG
Clonality	Monoclonal
Clone Number	2.4G2
Purity	Purified
Uniprot ID	P08508, P08101
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

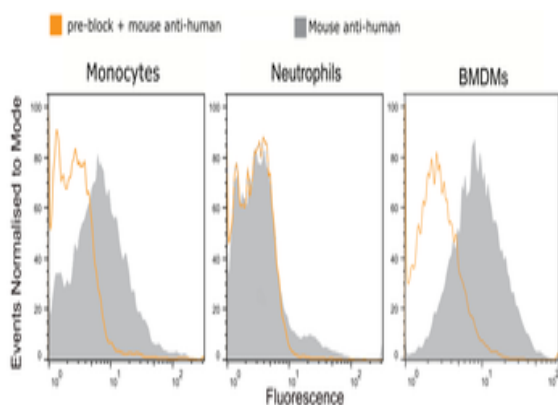
7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)



Anti-CD16/32 staining of murine macrophages Murine bone marrow-derived macrophages (BMDMs) were stained with anti-CD16/32 antibody orb314897 (as well as isotype control) and bound antibody detected using goat IgG anti-rat IgG (H&L-chain) polyclonal antibody directly conjugated to Alexa Fluor® 647 (AF647) commercially available from a competitor. Compared to the isotype control and secondary-only control, a CD16/32-positive population is apparent.



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 (AF647) human-specific anti-CD16) with or without pre-incubation with anti-mouse CD16/CD32 (Fc-receptors) antibody (orb314897, clone 2.4G2). Pre-incubation of cells with anti-CD16/CD32 reduced non-specific binding of the fluorescently labelled antibody to all cell types analysed and shows that this anti-CD16/CD32 antibody acts as an Fc-blocking reagent.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)