

## CD32 Mouse Anti-Human Monoclonal Antibody (clone 6C4 (CD32)) APC Conjugate

Store at 2°C to 8°C

Pub. No. MAN0008398    Rev. 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
A16225	APC	25 tests (5 µL/test, 0.1 µg/µL)	650 nm	660 nm

<b>Clone</b>	6C4 (CD32)
<b>Host/Class</b>	Mouse IgG <sub>1κ</sub>
<b>Description</b>	The CD32 Mouse Anti-Human Monoclonal Antibody (mAb) recognizes two isoforms of human CD32, Fc gammaRIIA and Fc gammaRIIB. These 40-kDa receptor are polymorphic transmembrane glycoproteins which exhibit low affinity towards IgG and play a role in inflammation and autoimmune disease. Both isoforms of CD32 are expressed on B cells, granulocytes, monocytes, macrophages, natural killer cells, and platelets. The CD32 Mouse Anti-Human mAb has been reported to inhibit Ig binding in a rosette blocking assay.
<b>Alternate Names</b>	Low Affinity IgG Receptor 2a, FcGR2a, Fc gammaRII, IGFR3
<b>Reactivity</b>	Human CD32
<b>Applications*</b>	FC (normal human peripheral blood cells) <sup>1</sup> , FUNC <sup>1</sup>
<b>Storage Buffer</b>	The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. <b>CAUTION!</b> Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at <a href="http://www.lifetechnologies.com/support">www.lifetechnologies.com/support</a> .
<b>Storage</b>	Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.  Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.
<b>Stability</b>	When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.
<b>Lot Number</b>	See product label.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Fossati G, Bucknall RC, and Edwards SW. Fc gamma receptors in autoimmune diseases. <i>Eur. J. Clin. Invest.</i> 2001 31(9):821-831.</li> <li>2. Vely F, Gruel N, Moncuit J, Cochet O, Rouard H, Dare S, Galon J, Sautes C, Fridman WH, Teillaud JL. A new set of monoclonal antibodies against human Fc gamma RII (CD32) and Fc gamma RIII (CD16): characterization and use in various assays. <i>Hybridoma</i>. 1997 Dec; 16(6):519-28.</li> </ol>

\* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.








FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

**For Research Use Only. Not for use in diagnostic procedures.**

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

## Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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24 May 2013

