



CD32 Antibody [6C4]

CATALOG NUMBER: 76-194

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS, Func
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The 6C4 monoclonal antibody specifically recognizes two isoforms of human CD32, Fc gamma RIIA and Fc gamma RIIB.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, pH7.2.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C . Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CD32, FCG2, FcGR, CD32A, CDw32, FCGR2, IGFR2, FCGR2A1, FCGR2A
OFFICIAL SYMBOL:	FCGR2A
GENE ID:	2212

Background

BACKGROUND:	The 6C4 monoclonal antibody specifically recognizes two isoforms of human CD32, Fc gamma RIIA and Fc gamma RIIB. From alternative mRNA splicing, 6 isoforms of CD32 have been reported. CD32 is a 40 kDA polymorphic transmembrane glycoprotein expressed on monocytes, macrophages, granulocytes, B cells, and platelets. The receptor has low affinity toward IgG and is involved in immunomodulation, phagocytosis, and the inflammation response. The 6C4 antibody in a rosette blocking assay is reported to inhibit Ig binding
REFERENCES:	<p>1) VELY, F., GRUEL, N., MONCUIT, J., COCHET, O., ROUARD, H., DARE, S., ... TEILLAUD, J. L. (1997). 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>, 16(6), 519-528.</p> <p>2) Liebert, M. A. (1997). 6C4, 2B2, 3D3. <i>Hybridoma</i>, 16(6).</p> <p>3) Bouhlal, H., Martinvalet, D., Teillaud, J. L., Fridman, C., Kazatchkine, M. D., Bayry, J., ... Kaveri, S. V. (2014). Natural Autoantibodies to Fc-gamma Receptors in Intravenous Immunoglobulins. <i>Journal of clinical immunology</i>, 1-8.</p>

FOR RESEARCH USE ONLY

