



20160815BB

## Anti-Human CD32 (#3L1)



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

<b>Cat.-no.:</b>	<b>101-M304</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant CD32 extracellular domain.

## Target Background

<b>Synonyms (Target):</b>	FCGR2A; CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1
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Receptors that recognize the Fc portion of IgG are divided into three groups designated Fc gamma RI, RII, and RIII, also known respectively as CD64, CD32, and CD16. In humans each group of receptors is encoded by 2 - 3 closely related genes designated A, B, and C. Fc gamma RI binds IgG with high affinity and functions during early immune responses. Fc gamma RII and RIII are low affinity receptors that recognize IgG as aggregates surrounding multivalent antigens during late immune responses. Different Fc receptors can function as activators, as inhibitors, or as decoy receptors.

## Database References Target

<b>Protein RefSeq:</b>	NP_003992
<b>Uniprot ID:</b>	P31994
<b>mRNA RefSeq:</b>	NM_004001.4

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#3L1)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	Human recombinant CD32 EC domain
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human CD32a and CD32b protein.



AVOID REPEATED FREEZE AND THAW CYCLES!

## Applications

The antibody can be used within the following applications:

WB, FC

**Recommended usage:**

Flow cytometry: 1:50 - 1:100

Western Blot: 1:500 - 1:1000

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**