

## Anti-CD47 Antibody (Monoclonal, 31C98)

Catalog Number: M00360-9

### About CD47

CD47, also known as IAP or MER6, is a transmembrane protein that in humans is encoded by the CD47 gene. CD47 gene belongs to the immunoglobulin superfamily. This gene is mapped to 3q13.12. CD47 gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes.

### Overview

Product Name	Anti-CD47 Antibody (Monoclonal, 31C98)
Reactive Species	Human
Description	Boster Bio Anti-CD47 Antibody (Monoclonal, 31C98) catalog # M00360-9. Tested in IHC, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IHC
Clonality	Monoclonal 31C98
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q08722

### Technical Details

Immunogen	Synthetic peptide within Human CD47 aa 52-148 (internal sequence).
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Immunohistochemistry, 1:50-200 Flow Cytometry (Fixed), 1:50-200

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