

## Anti-CD47 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A00360-1-Fluoro647

### 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 Picoband® Fluoro647 Conjugated  |
| Reactive Species     | Human, Mouse   |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | Q08722   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | A synthetic peptide corresponding to a sequence at the N-terminus of human CD47, which shares 61.8% and 66.7% amino acid (aa) sequence identity with mouse and rat CD47, respectively. |
| Cross Reactivity    | No cross-reactivity with other proteins.   |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | Fluoro647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 665 nm  |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.   |

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