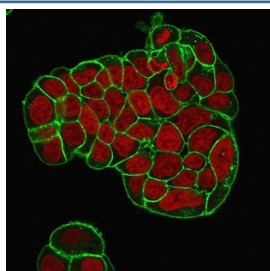


## CD47 Antibody Cocktail [clone IAP/964 + B6H12.2] (V3015)

| Catalog No.    | Formulation                                                                | Size   |
|----------------|----------------------------------------------------------------------------|--------|
| V3015-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3015-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V3015SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

[Bulk quote request](#)

|                           |                                                                               |
|---------------------------|-------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                             |
| <b>Species Reactivity</b> | Human                                                                         |
| <b>Format</b>             | Purified                                                                      |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                     |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                             |
| <b>Clone Name</b>         | IAP/964 + B6H12.2                                                             |
| <b>Purity</b>             | Protein G affinity chromatography                                             |
| <b>UniProt</b>            | Q08722                                                                        |
| <b>Localization</b>       | Cell surface, cytoplasmic                                                     |
| <b>Applications</b>       | Flow Cytometry : 1-2ug/10 <sup>6</sup> cells<br>Immunofluorescence : 1-2ug/ml |
| <b>Limitations</b>        | This CD47 antibody cocktail is available for research use only.               |



Immunofluorescent staining of PFA-fixed human MCF-7 cells with CD47 antibody cocktail (green, clones B6H12.2 + IAP/964) and Reddot nuclear stain (red).

## Description

This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa

protein containing five membrane-spanning sequences and a short cytoplasmic tail. CD47 plays a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It is important in memory formation and synaptic plasticity in the hippocampus. CD47 may play a role in membrane transport and/or integrin dependent signal transduction.

## **Application Notes**

Optimal dilution of the CD47 antibody cocktail should be determined by the researcher.

## **Immunogen**

Recombinant human protein (IAP/964) and intact CD47 purified from placenta (B6H12.2) were used as the immunogen for the CD47 antibody cocktail.

## **Storage**

Store the CD47 antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).