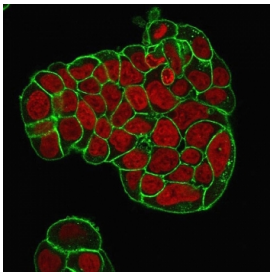
CD47 Antibody Cocktail [clone IAP/964 + B6H12.2] (V3015)

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

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	IAP/964 + B6H12.2
Purity	Protein G affinity chromatography
UniProt	Q08722
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml
Limitations	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).