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Datasheet for ABIN6941213

anti-CD47 antibody

1 Image

Overview

Quantity:	100 µg
Target:	CD47
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD47 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Functional Studies (Func), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human IAP protein (IAP/964), Intact CD47 Purified from placenta (B6H12.2)
Clone:	IAP-964-B6H12-2
Isotype:	IgG1 kappa
Specificity:	This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50 kDa 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.
Purification:	Purified by Protein A/G

Target Details

Target: CD47

Alternative Name: CD47 ([CD47 Products](#))

Molecular Weight: ~50kDa

Gene ID: 961

UniProt: [Q08722](#)

Application Details

Application Notes: Positive Control: MCF-7, HUVEC, OVCA3 cells, Placenta, Brain and Ovarian Tumors.
Known Application: Functional Studies (Order Ab without Azide), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

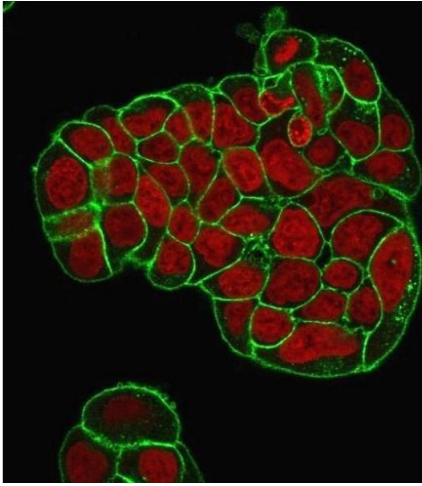
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Immunofluorescence

Image 1. Immunofluorescence Analysis of PFA-fixed MCF-7 cells. CD47 Mouse Monoclonal Antibody (IAP/964 + B6H12.2) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are stained with Redot.