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36-3627: Anti-CD47 / IAP (Integrin Associated Protein) Monoclonal Antibody(Clone: B6H12.2)

Clonality :	Monoclonal
Clone Name :	B6H12.2
Application :	Functional Assay,WB,FACS,IF
Reactivity :	Human, Mouse
Gene :	CD47
Gene ID :	961
Uniprot ID :	Q08722
Alternative Name :	Antigenic Surface Determinant Protein OA3; IAP; Integrin Associated Protein; Integrin Associated Signal Transducer; MER6; OA3; Protein MER6; Rh Related Antigen
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Intact CD47 Purified from placenta

Description

This antibody reacts with Ig domain of CD47 protein. It has been shown to inhibit polymorphonuclear neutrophil (PMN) transmigration across cell monolayers and matrix. 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Functional Studies (Order Ab without Azide); Western Blot (1-2ug/ml); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

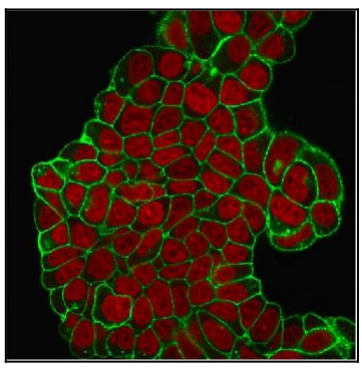


Fig. 1: Immunofluorescent staining of PFA-fixed MCF-7 cells. CD47 Mouse Monoclonal Antibody (B6H12.2) followed by goat anti-Mouse IgG-CF488 (green). Nuclei are stained with Redot (red).

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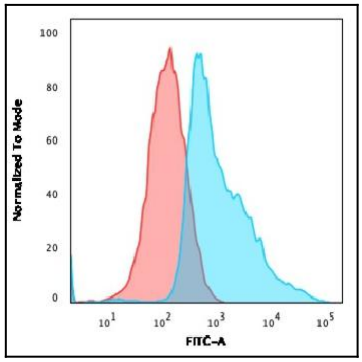


Fig. 2: Flow Cytometric Analysis of PFA-fixed MCF-7 cells. CD47 Mouse Monoclonal Antibody (B6H12.2) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

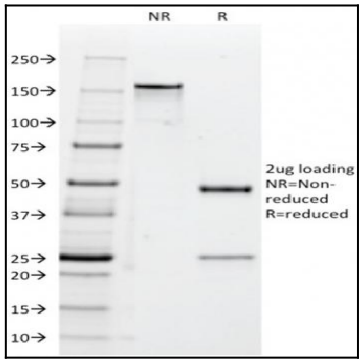


Fig. 3: SDS-PAGE Analysis Purified CD47 Mouse Monoclonal Antibody (B6H12.2). Confirmation of Purity and Integrity of Antibody.

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