

Anti-CD47 Antibody

rev 11/20

CATALOG NO.: A1077-100 (100 µl)

BACKGROUND DESCRIPTION: CD47 is involved in cell adhesion by acting as an adhesion receptor for THBS1 on platelets. It is also involved in the modulation of Integrins. This protein has a significant role in memory formation and synaptic plasticity in the hippocampus (By similarity). CD47 is a receptor for SIRPA, which upon binding, prevents the maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Additionally, the binding mediates cell-cell adhesion, enhances super antigen-dependent T-cell-mediated proliferation, and co-stimulates T-cell activation. Several additional functions include a role in membrane transport, integrin-dependent signal transduction, prevention of premature elimination of red blood cells, and membrane permeability changes induced following virus infection.

ALTERNATE NAMES: IAP; OA3; MER6; Leukocyte surface antigen CD47; Antigenic surface determinant protein OA3; Integrin-associated protein; Protein MER6; CD47

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide targeting a sequence within the center region of human CD47

MOLECULAR WEIGHT: 55 kDa

PURIFICATION: Affinity purified

FORM: Liquid

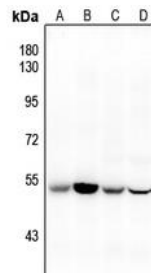
FORMULATION: In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

SPECIES REACTIVITY: Human, mouse, rat

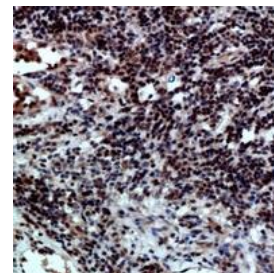
STORAGE CONDITIONS: Store at -20°C. Avoid freeze/thaw cycles

APPLICATIONS AND USAGE: WB (1/500 - 1/1000), IHC (1/50 - 1/200)

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of rat testis (A), mouse kidney (B),



Immunohistochemical analysis of paraffin embedded

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with conjugated compact polymer system. The chromogen used was DAB. Counterstaining of the tissue was performed with hematoxylin and then mounted with DPX.

RELATED PRODUCTS:

recMAb™ Anti-ITGB3 Antibody (A2189)

recMAb™ Anti-MUC1 Antibody (A2191)

PAK1 Antibody (3908)

Fas/Apo1 Antibody (3070R)

FOR RESEARCH USE ONLY! Not to be used on humans.